

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 419.444 Seconds
(without alignments)
1869.194 Million cell updates/sec

Title: US-10-620-039-1_COPY_1_125
Perfect score: 125
Sequence: 1 TTGGCCACTCCCTCTCTGCG.....CGCAGAGAGGAGTGCCCAA 125

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 300 summaries

Database : Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 125 | 100.0 | 145 | 9 | US-09-782-378A-6 |
| 4 | 125 | 100.0 | 145 | 15 | US-10-240-198-2 |
| 5 | 125 | 100.0 | 145 | 20 | US-10-837-029-1 |
| 6 | 125 | 100.0 | 145 | 20 | US-10-837-029-1 |
| 7 | 125 | 100.0 | 145 | 21 | US-10-501-756-12 |
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| 2 | 125 | 100.0 | 144 | 21 | US-10-501-756-13 |
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| 9 | 125 | 100.0 | 165 | 9 | US-09-782-378A-8 | Sequence 7, Appli |
| 10 | 125 | 100.0 | 165 | 13 | US-10-054-665-7 | Sequence 13, Appli |
| 11 | 125 | 100.0 | 165 | 16 | US-10-159-968-13 | Sequence 3, Appli |
| 12 | 125 | 100.0 | 170 | 19 | US-10-669-641-3 | Sequence 1, Appli |
| 13 | 125 | 100.0 | 175 | 17 | US-10-276-356-1 | Sequence 1, Appli |
| 14 | 125 | 100.0 | 207 | 15 | US-10-023-208-58 | Sequence 58, Appli |
| 15 | 125 | 100.0 | 955 | 10 | US-09-845-416-26 | Sequence 26, Appli |
| 16 | 125 | 100.0 | 955 | 10 | US-09-845-416-26 | Sequence 26, Appli |
| 17 | 125 | 100.0 | 987 | 10 | US-09-845-416-33 | Sequence 33, Appli |
| 18 | 125 | 100.0 | 987 | 10 | US-09-845-416-33 | Sequence 33, Appli |
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| 21 | 125 | 100.0 | 4476 | 10 | US-09-845-416-31 | Sequence 31, Appli |
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| 26 | 125 | 100.0 | 4675 | 9 | US-09-782-378A-2 | Sequence 2, Appli |
| 27 | 125 | 100.0 | 4675 | 15 | US-10-240-198-1 | Sequence 1, Appli |
| 28 | 125 | 100.0 | 4675 | 15 | US-10-291-583-7 | Sequence 7, Appli |
| 29 | 125 | 100.0 | 4675 | 19 | US-10-427-129-2 | Sequence 2, Appli |
| 30 | 125 | 100.0 | 4679 | 9 | US-09-804-898-1 | Sequence 1, Appli |
| 31 | 125 | 100.0 | 4679 | 9 | US-09-845-681-10 | Sequence 10, Appli |
| 32 | 125 | 100.0 | 4679 | 13 | US-10-038-972A-12 | Sequence 12, Appli |
| 33 | 125 | 100.0 | 4679 | 16 | US-10-136-819-6 | Sequence 6, Appli |
| 34 | 125 | 100.0 | 4680 | 13 | US-10-077-294-1 | Sequence 1, Appli |
| 35 | 125 | 100.0 | 4680 | 13 | US-10-163-886-1 | Sequence 1, Appli |
| 36 | 125 | 100.0 | 4680 | 14 | US-10-263-127-1 | Sequence 1, Appli |
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| 40 | 125 | 100.0 | 4681 | 18 | US-10-696-900-18 | Sequence 18, Appli |
| 41 | 125 | 100.0 | 4683 | 18 | US-10-696-261-19 | Sequence 19, Appli |
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| 52 | 125 | 100.0 | 4990 | 10 | US-09-845-416-34 | Sequence 34, Appli |
| 53 | 125 | 100.0 | 5060 | 10 | US-09-845-416-36 | Sequence 36, Appli |
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| 55 | 125 | 100.0 | 5149 | 10 | US-09-845-416-27 | Sequence 27, Appli |
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| 73 | 125 | 100.0 | 6714 | 14 | US-10-340-112-6 | Sequence 6, Appli |
| 74 | 125 | 100.0 | 6924 | 14 | US-10-267-117-9 | Sequence 9, Appli |
| 75 | 125 | 100.0 | 6924 | 14 | US-10-267-117-9 | Sequence 9, Appli |
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| 77 | 125 | 100.0 | 6924 | 14 | US-10-267-117-10 | Sequence 10, Appli |
| 78 | 125 | 100.0 | 6924 | 14 | US-10-267-117-11 | Sequence 11, Appli |
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| 80 | 125 | 100.0 | 6924 | 14 | US-10-340-112-9 | Sequence 9, Appli |

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| c 82 | 125 | 100.0 | 6924 | 14 | US-10-340-112-10 | Sequence 10, Appl | c 155 | 110 | 88.0 | 10398 | 9 | US-09-242-977-1 | Sequence 1, Appli |
| c 83 | 125 | 100.0 | 6924 | 14 | US-10-340-112-11 | Sequence 10, Appl | c 156 | 110 | 88.0 | 10398 | 9 | US-09-242-977-1 | Sequence 1, Appli |
| c 84 | 125 | 100.0 | 6924 | 14 | US-10-340-112-11 | Sequence 11, Appl | c 157 | 110 | 88.0 | 10398 | 9 | US-09-923-726-1 | Sequence 1, Appli |
| c 85 | 125 | 100.0 | 6924 | 14 | US-10-340-112-11 | Sequence 11, Appl | c 158 | 110 | 88.0 | 10398 | 9 | US-09-923-726-1 | Sequence 1, Appli |
| c 86 | 125 | 100.0 | 6981 | 14 | US-10-267-117-7 | Sequence 7, Appli | c 159 | 110 | 88.0 | 10398 | 9 | US-09-740-211-13 | Sequence 13, Appl |
| c 87 | 125 | 100.0 | 6981 | 14 | US-10-267-117-7 | Sequence 7, Appli | c 160 | 110 | 88.0 | 10398 | 9 | US-09-740-211-13 | Sequence 13, Appl |
| c 88 | 125 | 100.0 | 6981 | 14 | US-10-340-112-7 | Sequence 7, Appli | c 161 | 110 | 88.0 | 10398 | 13 | US-10-007-968-13 | Sequence 13, Appl |
| c 89 | 125 | 100.0 | 6981 | 14 | US-10-340-112-7 | Sequence 7, Appli | c 162 | 110 | 88.0 | 10398 | 13 | US-10-007-968-13 | Sequence 13, Appl |
| c 90 | 125 | 100.0 | 7054 | 14 | US-10-267-117-3 | Sequence 3, Appli | c 163 | 110 | 88.0 | 10398 | 14 | US-10-293-400-13 | Sequence 13, Appl |
| c 91 | 125 | 100.0 | 7054 | 14 | US-10-267-117-3 | Sequence 3, Appli | c 164 | 110 | 88.0 | 10398 | 14 | US-10-293-400-13 | Sequence 13, Appl |
| c 92 | 125 | 100.0 | 7054 | 14 | US-10-340-112-3 | Sequence 3, Appli | c 165 | 108.4 | 86.7 | 505 | 13 | US-10-054-665-3 | Sequence 3, Appli |
| c 93 | 125 | 100.0 | 7054 | 14 | US-10-340-112-3 | Sequence 3, Appli | c 166 | 108.4 | 86.7 | 505 | 13 | US-10-054-665-3 | Sequence 3, Appli |
| c 94 | 125 | 100.0 | 7405 | 14 | US-10-267-117-2 | Sequence 2, Appli | c 167 | 108 | 86.4 | 5610 | 13 | US-10-090-983-2 | Sequence 2, Appli |
| c 95 | 125 | 100.0 | 7405 | 14 | US-10-267-117-2 | Sequence 2, Appli | c 168 | 108 | 86.4 | 5610 | 13 | US-10-090-983-2 | Sequence 2, Appli |
| c 96 | 125 | 100.0 | 7405 | 14 | US-10-340-112-2 | Sequence 2, Appli | c 169 | 108 | 86.4 | 5974 | 13 | US-10-090-983-8 | Sequence 8, Appli |
| c 97 | 125 | 100.0 | 7405 | 14 | US-10-340-112-2 | Sequence 2, Appli | c 170 | 108 | 86.4 | 5974 | 13 | US-10-090-983-8 | Sequence 8, Appli |
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| c 99 | 125 | 100.0 | 7492 | 14 | US-10-267-117-5 | Sequence 5, Appli | c 172 | 108 | 86.4 | 7015 | 9 | US-09-770-315-1 | Sequence 1, Appli |
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| c 108 | 124 | 99.2 | 7914 | 13 | US-10-095-718-3 | Sequence 3, Appli | c 181 | 97.8 | 78.2 | 145 | 9 | US-09-782-378A-6 | Sequence 6, Appli |
| c 109 | 124 | 99.2 | 7914 | 13 | US-10-681-970-3 | Sequence 3, Appli | c 182 | 97.8 | 78.2 | 145 | 15 | US-10-240-198-2 | Sequence 2, Appli |
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| c 111 | 124 | 99.2 | 7944 | 13 | US-10-681-970-1 | Sequence 1, Appli | c 184 | 97.8 | 78.2 | 145 | 20 | US-10-837-029-11 | Sequence 11, Appl |
| c 112 | 123.4 | 98.7 | 191 | 18 | US-10-362-906-4 | Sequence 4, Appli | c 185 | 97.8 | 78.2 | 145 | 21 | US-10-501-756-12 | Sequence 12, Appl |
| c 113 | 123.4 | 98.7 | 272 | 13 | US-10-054-665-4 | Sequence 4, Appli | c 186 | 97.8 | 78.2 | 146 | 13 | US-10-135-984-8 | Sequence 8, Appli |
| c 114 | 118.6 | 94.9 | 272 | 13 | US-10-054-665-6 | Sequence 6, Appli | c 187 | 97.8 | 78.2 | 165 | 9 | US-09-782-378A-8 | Sequence 8, Appli |
| c 115 | 117 | 93.6 | 174 | 18 | US-10-362-906-6 | Sequence 6, Appli | c 188 | 97.8 | 78.2 | 165 | 13 | US-10-054-665-7 | Sequence 7, Appli |
| c 116 | 113 | 90.4 | 144 | 19 | US-10-669-641-1 | Sequence 1, Appli | c 189 | 97.8 | 78.2 | 165 | 16 | US-10-159-968-13 | Sequence 13, Appl |
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| c 121 | 110 | 88.0 | 3589 | 21 | US-10-604-340-8 | Sequence 8, Appli | c 194 | 97.8 | 78.2 | 4675 | 9 | US-09-782-378A-2 | Sequence 2, Appli |
| c 122 | 110 | 88.0 | 3589 | 21 | US-10-604-340-9 | Sequence 9, Appli | c 195 | 97.8 | 78.2 | 4675 | 15 | US-10-240-198-1 | Sequence 1, Appli |
| c 123 | 110 | 88.0 | 3589 | 21 | US-10-604-340-9 | Sequence 9, Appli | c 196 | 97.8 | 78.2 | 4675 | 15 | US-10-291-583-7 | Sequence 7, Appli |
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| c 126 | 110 | 88.0 | 3618 | 21 | US-10-604-340-5 | Sequence 5, Appli | c 199 | 97.8 | 78.2 | 4679 | 9 | US-09-945-681-10 | Sequence 10, Appl |
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| c 133 | 110 | 88.0 | 3923 | 21 | US-10-604-340-7 | Sequence 7, Appli | c 206 | 97.8 | 78.2 | 4681 | 18 | US-10-696-261-18 | Sequence 18, Appl |
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| c 145 | 110 | 88.0 | 6437 | 21 | US-10-604-340-3 | Sequence 3, Appli | c 218 | 96.2 | 77.0 | 4722 | 19 | US-10-427-129-3 | Sequence 3, Appli |
| c 146 | 110 | 88.0 | 7648 | 17 | US-10-176-066-1 | Sequence 1, Appli | c 219 | 96.2 | 77.0 | 4726 | 15 | US-10-291-583-8 | Sequence 8, Appli |
| c 147 | 110 | 88.0 | 7648 | 17 | US-10-176-066-1 | Sequence 1, Appli | c 220 | 96.2 | 77.0 | 4726 | 21 | US-10-959-017-4 | Sequence 4, Appli |
| c 148 | 110 | 88.0 | 8092 | 17 | US-10-176-066-2 | Sequence 2, Appli | c 221 | 95.2 | 76.2 | 4722 | 19 | US-10-427-129-3 | Sequence 3, Appli |
| c 149 | 110 | 88.0 | 8092 | 17 | US-10-176-066-2 | Sequence 2, Appli | c 222 | 94.4 | 75.5 | 300 | 13 | US-10-054-665-5 | Sequence 5, Appli |
| c 150 | 110 | 88.0 | 8509 | 14 | US-10-255-527-1 | Sequence 1, Appli | c 223 | 91.4 | 73.1 | 125 | 10 | US-09-254-747-6 | Sequence 6, Appli |
| c 151 | 110 | 88.0 | 8509 | 14 | US-10-255-527-1 | Sequence 1, Appli | c 224 | 91.4 | 73.1 | 145 | 20 | US-10-837-029-6 | Sequence 6, Appli |
| c 152 | 110 | 88.0 | 9600 | 16 | US-10-278-751-1 | Sequence 1, Appli | c 225 | 91.4 | 73.1 | 145 | 20 | US-10-837-029-6 | Sequence 6, Appli |
| c 153 | 110 | 88.0 | 10398 | 9 | US-09-757-673-1 | Sequence 1, Appli | c 226 | 91.4 | 73.1 | 4718 | 15 | US-10-291-583-6 | Sequence 6, Appli |

Qy 61 CGACGCCCGGGCTTTGCCCGGGCGCCTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 120

Db 80 CGACGCCCGGGCTTTGCCCGGGCGCCTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 139

| | | | |
|----|-----|-------|-----|
| Qy | 121 | GCCAA | 125 |
| | | | |
| Db | 140 | GCCAA | 144 |

RESULT 3
US-09-782-378A-6
; Sequence 6, Application US/09782378A
; Patent No. US20020102731A1

APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wadie
APPLICANT: Sandalon, Ziv

```

; TITLE OF INVENTION: Adenoviral Vectors
;
; FILE REFERENCE: STONYB-04970
;
; CURRENT APPLICATION NUMBER: US/09/782,378A
;
; CURRENT FILING DATE: 2001-02-12
;

```

```

; PRIOR FILING DATE: 2000-10-02
;
; NUMBER OF SEQ ID NOS: 27
;
; SOFTWARE: PatentIn version 3.0
;

```

```

; LENGTH: 145
;
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-6

```

```
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; FILE REFERENCE: 875.105U1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

Query Match          100.0%; Score 125; DB 20; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
   |||||
Db 121 GCCAA 125

RESULT 7
US-10-501-756-12
; Sequence 12, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiuwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A
; FILE REFERENCE: 180/137
; CURRENT APPLICATION NUMBER: US/10/501,756
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: US 60/349,532
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match          100.0%; Score 125; DB 21; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
   |||||
Db 121 GCCAA 125
```

```
RESULT 8
US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; APPLICANT: Anton J. Cathomen
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; TITLE OF INVENTION: REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)
; FILE REFERENCE: SALKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

Query Match          100.0%; Score 125; DB 13; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
   |||||
Db 121 GCCAA 125

RESULT 9
US-09-782-378A-8
; Sequence 8, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match          100.0%; Score 125; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
   |||||
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Db 81 CGACGCCGGCTTTGCCCGGCGGCCTCAGTACGCGAGCGAGCGAGGAGTG 140
 Qy 121 GCCAA 125
 Db 141 GCCAA 145

RESULT 10

```

US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

```

RESULT 11

```

US-10-159-968-13/c
; Sequence 13, Application US/10159968
; Publication No. US20030152914A1
; GENERAL INFORMATION:
; APPLICANT: Kaplitt, Michael G.
; APPLICANT: Musatov, Serge
; TITLE OF INVENTION: Method for Generating Replication
; TITLE OF INVENTION: Defective Viral Vectors That are Helper Free
; FILE REFERENCE: 600-1-286
; CURRENT APPLICATION NUMBER: US/10/159,968
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/294,797
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: US 60/313,007
; PRIOR FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-159-968-13

```

RESULT 13

```

US-10-276-356-1/c
; Sequence 1, Application US/10276356
; Publication No. US20040029106A1
; GENERAL INFORMATION:
; APPLICANT: University of No. US20040029106A1th Carolina at Chapel Hill
; APPLICANT: Samulski, R. Jude
; APPLICANT: McCarty, Douglas M.
; TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS
; FILE REFERENCE: 5470-282
; CURRENT APPLICATION NUMBER: US/10/276,356
; CURRENT FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: PCT/US01/17587
; PRIOR FILING DATE: 2001-05-31

```

RESULT, T 12

```

RES001112
US-10-669-641-3
; Publication 3, Application US/10669641
; Sequence 3, Publication NO. US20040137626A1
; GENERAL INFORMATION:
; APPLICANT: WAGNER, THOMAS E.
; APPLICANT: YU, XIANXANG
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
; FILE REFERENCE: 035879-0165
; CURRENT APPLICATION NUMBER: US/10/669,641
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,450
; PRIOR FILING DATE: 2002-09-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin Ver. 3.2
; SEQ ID NO 3
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

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; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 175
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201
US-10-276-356-1

Query Match 100.0%; Score 125; DB 17; Length 175;
Best Local Similarity 100.0%; Pred. No. 1.2e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 150 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 91
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 90 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 31
QY 121 GCCAA 125
Db 30 GCCAA 26

RESULT 14
US-10-023-208-58
; Sequence 58, Application US/10023208
; Publication No. US20030124537A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yuan-Ching
; TITLE OF INVENTION: PROCARYOTIC LIBRARIES AND USES
; FILE REFERENCE: A-70174-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/023,208
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US 60/256,163
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic enzyme attachment site sequence
US-10-023-208-58

Query Match 100.0%; Score 125; DB 15; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 42 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 101
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 102 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 161
QY 121 GCCAA 125
Db 162 GCCAA 166

RESULT 15
US-09-845-416-26
; Sequence 26, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO

; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;
Best Local Similarity 100.0%; Pred. No. 8.2e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 16
US-09-845-416-26/c
; Sequence 26, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;
Best Local Similarity 100.0%; Pred. No. 8.2e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 955 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 896
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 895 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 836
QY 121 GCCAA 125
Db 835 GCCAA 831

RESULT 17
US-09-845-416-33
; Sequence 33, Application US/09845416


```
Db 4294 GCCAA 4290

RESULT 21
US-09-845-416-31
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 22
US-09-845-416-31/c
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match 100.0%; Score 125; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 4476 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 4417

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 4416 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 4357
```

```
QY 121 GCCAA 125
DB 4356 GCCAA 4352

RESULT 23
US-09-845-416-30
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 125; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125
```

```
RESULT 24
US-09-845-416-30/c
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match 100.0%; Score 125; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 4498 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 4439
```



```
;
; FILING DATE: 04-Jun-2002
; APPLICATION NUMBER: 09/292,703
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: NO. US20030147912Aland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-375-777-1

Query Match 100.0%; Score 125; DB 15; Length 4680;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 38
US-10-696-261-18
; Sequence 18, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-261-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 39
US-10-696-282-18
; Sequence 18, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-282-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125

RESULT 40
US-10-696-900-18
; Sequence 18, Application US/10696900
; Publication No. US20040057933A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,900
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-900-18

Query Match 100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGAGTG 120

Qy 121 GCCAA 125
Db 121 GCCAA 125
```

```
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-900-18

Query Match      100.0%; Score 125; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 41
US-10-696-261-19
; Sequence 19, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 1998-11-05
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-261-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 42
US-10-696-282-19
; Sequence 19, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
```

```
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-282-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 43
US-10-696-900-19
; Sequence 19, Application US/10696900
; Publication No. US20040057933A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNPVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,900
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-900-19

Query Match      100.0%; Score 125; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAA 125
```

```
Db      121 GCCAA 125
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

RESULT 46
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29
Query Match      100.0%; Score 125; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
DB      1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
QY      61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
DB      61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
QY      121 GCCAA 125
|||||
DB      121 GCCAA 125

RESULT 47
US-09-845-416-29/c
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29
Query Match      100.0%; Score 125; DB 10; Length 4825;

Db      121 GCCAA 125
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
121 GCCAA 125
|||||
121 GCCAA 125

US-10-427-129-6
; Sequence 6, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Yuhong
; APPLICANT: Luo, Jia
; APPLICANT: During, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; CURRENT FILING DATE: 2003-05-01
; PRIOR FILING DATE: 09/804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-427-129-6
Query Match      100.0%; Score 125; DB 19; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
DB      1 TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
|||||
QY      61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
DB      61 CGACGCCCGGGCTTTGCCCCGGCGGCTCTCACTGAGCGAGCGCGCGCAGAGAGGAGTG 120
|||||
QY      121 GCCAA 125
|||||
DB      121 GCCAA 125

RESULT 45
US-10-959-017-2
; Sequence 2, Application US/10959017
; Publication No. US20050106125A1
; GENERAL INFORMATION:
; APPLICANT: FALCK-PEDERSEN, ERIK S
; APPLICANT: PHILPOTT, NICOLA
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; FILE REFERENCE: 230526
; CURRENT APPLICATION NUMBER: US/10/959,017
; CURRENT FILING DATE: 2004-10-05
; PRIOR FILING DATE: PCT/US03/11191
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/371,044
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 6
US-10-959-017-2
Query Match      100.0%; Score 125; DB 21; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.8e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```


Best Local Similarity 100.0%; Score 125; DB 10; Length 4848;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
Db 4825 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4766

QY 61 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
Db 4765 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4706

QY 121 GCCAA 125
Db 4705 GCCAA 4701

RESULT 48
US-09-845-416-35/c
; Sequence 35, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 4848
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-35

Query Match 100.0%; Score 125; DB 10; Length 4848;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
Db 4848 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4789

QY 61 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
Db 4788 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4729

QY 121 GCCAA 125
Db 4728 GCCAA 4724

RESULT 49
US-09-845-416-28
; Sequence 28, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 4966
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-845-416-28

Query Match 100.0%; Score 125; DB 10; Length 4966;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 50
US-09-845-416-28/c
; Sequence 28, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 4966
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-28

Query Match 100.0%; Score 125; DB 10; Length 4966;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
Db 4966 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4907

QY 61 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120
Db 4906 CGACGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 4847

QY 121 GCCAA 125
Db 4846 GCCAA 4842

RESULT 51
US-09-845-416-34
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34


```
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match      100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 56
US-09-845-416-27/c
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match      100.0%; Score 125; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 5.7e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 5149 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 5090

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
DB 5089 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 5030

QY 121 GCCAA 125
DB 5029 GCCAA 5025

RESULT 57
US-10-267-117-4
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
```

```
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 125; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.5e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 77

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 137

QY 121 GCCAA 125
DB 138 GCCAA 142

RESULT 58
US-10-267-117-4/c
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 125; DB 14; Length 5932;
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Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 90.2778 Seconds
(without alignments)
2265.614 Million cell updates/sec

Title: US-10-620-039-1_COPY_1_125

Perfect score: 125

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 300 summaries

Database : Issued Patents NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| Sequence 5, Appli | 194 | 96.6 | 120.8 | 4 | US-08-702-573-5 | Sequence 5, Appli |
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| c 142 | 72.6 | 58.1 | 149 | 3 | US-08-471-914-13 | Sequence 13, Appl | c 215 | 33.4 | 26.7 | 113 | 3 | US-08-471-914-12 | Sequence 12, Appl |
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| c 148 | 67 | 53.6 | 73 | 3 | US-08-702-573-7 | Sequence 7, Appl | c 221 | 33 | 26.4 | 72455 | 4 | US-09-949-016-13793 | Sequence 13793, A |
| c 149 | 64.4 | 51.5 | 129 | 3 | US-09-532-594B-20 | Sequence 20, Appl | c 222 | 33 | 26.4 | 104475 | 4 | US-09-949-016-12115 | Sequence 12115, A |
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| c 151 | 54.8 | 43.8 | 120 | 1 | US-08-308-949A-3 | Sequence 3, Appl | c 224 | 32.8 | 26.2 | 26709 | 4 | US-09-949-016-17520 | Sequence 3, Appl |
| c 152 | 52.6 | 42.1 | 149 | 3 | US-08-471-914-13 | Sequence 13, Appl | c 225 | 32.6 | 26.1 | 48 | 3 | US-08-702-573-9 | Sequence 9, Appl |
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| c 162 | 42.2 | 33.8 | 139 | 3 | US-08-471-914-8 | Sequence 8, Appl | c 235 | 31.8 | 25.4 | 71815 | 4 | US-09-949-016-12501 | Sequence 12501, A |
| c 163 | 41.8 | 33.4 | 46 | 3 | US-08-702-573-8 | Sequence 8, Appl | c 236 | 31.8 | 25.4 | 84495 | 3 | US-08-797-906-3 | Sequence 3, Appl |
| c 164 | 41.4 | 33.1 | 316 | 3 | US-09-276-625-11 | Sequence 11, Appl | c 237 | 31.6 | 25.3 | 444 | 4 | US-08-252-991A-11328 | Sequence 11328, A |
| c 165 | 40.4 | 32.3 | 120 | 1 | US-08-308-949A-3 | Sequence 3, Appl | c 238 | 31.6 | 25.3 | 501 | 4 | US-09-252-991A-11294 | Sequence 11294, A |
| c 166 | 39.8 | 31.8 | 276 | 3 | US-09-276-625-10 | Sequence 10, Appl | c 239 | 31.6 | 25.3 | 601 | 4 | US-09-949-016-90084 | Sequence 90084, A |
| c 167 | 39 | 31.2 | 132 | 1 | US-08-308-949A-7 | Sequence 7, Appl | c 240 | 31.6 | 25.3 | 112219 | 4 | US-09-949-016-12453 | Sequence 12453, A |
| c 168 | 39 | 31.2 | 132 | 1 | US-08-308-949A-7 | Sequence 7, Appl | c 241 | 31.6 | 25.3 | 112222 | 4 | US-09-949-016-14324 | Sequence 14324, A |
| c 169 | 37.8 | 30.2 | 120 | 3 | US-08-471-914-10 | Sequence 10, Appl | c 242 | 31.6 | 25.3 | 113186 | 4 | US-09-949-016-17572 | Sequence 17572, A |
| c 170 | 37.8 | 30.2 | 120 | 3 | US-08-471-914-10 | Sequence 10, Appl | c 243 | 31.4 | 25.1 | 405 | 4 | US-09-252-991A-12879 | Sequence 12879, A |
| c 171 | 36.4 | 29.1 | 123 | 3 | US-08-471-914-9 | Sequence 9, Appl | c 244 | 31.4 | 25.1 | 978 | 4 | US-09-252-991A-13236 | Sequence 13236, A |
| c 172 | 35 | 28.0 | 1917 | 3 | US-08-808-346-1 | Sequence 1, Appl | c 245 | 31.4 | 25.1 | 2532 | 4 | US-09-252-991A-12912 | Sequence 12912, A |
| c 173 | 35 | 28.0 | 1926 | 1 | US-07-901-703-12 | Sequence 12, Appl | c 246 | 31.4 | 25.1 | 7407 | 4 | US-09-949-016-13171 | Sequence 13171, A |

RESULT 3
US-08-525-866-1/c
; Sequence 1, Application US/08525866
; Patent No. 6207457
; GENERAL INFORMATION:
; APPLICANT: NATSOULIS, GEORGES
; APPLICANT: FUROSKY, RICHARD T.
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
; TITLE OF INVENTION: AND INTEGRATION SYSTEM
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,866
; FILING DATE: 08-SEP-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 0800-0006
; TELECOMMUNICATION INFORMATION:

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QV 1 TTGGCCACTCCCTCTCTGGCGGTCGCTCGCTCACTGAGCCGGCGGACCAAGGTGCC 60

Db 1 TTGGCCACCTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 5

US-07-989-841A-1
; Sequence 1, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-1

Query Match 100.0%; Score 125; DB 1; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACCTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACCTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGCGACCAAGGTCGCC 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 6

US-08-440-738A-1

; Sequence 1, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

Query Match 100.0%; Score 125; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACCTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 60
Db 21 TTGGCCACCTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGACCAAGGTCGCC 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 7

US-08-471-914-1
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO: 1

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; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

Query Match      100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGAGCGCGAGAGGGAGTG 140

QY 121 GCCAA 125
Db 141 GCCAA 145
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RESULT 8
US-09-276-625-7
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007U51
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7
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Query Match      100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 8.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGAGCGCGAGAGGGAGTG 140

QY 121 GCCAA 125
Db 141 GCCAA 145
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RESULT 9
US-08-702-573-3
; Sequence 3, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: LATTA, Martine
; APPLICANT: DENEUFLE, Patrice
; APPLICANT: VIGNE, Emmanuelle
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; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 192 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..192
; OTHER INFORMATION: /note= "Right ITR Sequence in
; Patent No. 6033885
; OTHER INFORMATION: pXL2384"
US-08-702-573-3
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Query Match      100.0%; Score 125; DB 3; Length 192;
Best Local Similarity 100.0%; Pred. No. 8.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 68 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 127

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 128 CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGAGCGAGCGCGAGAGGGAGTG 187

QY 121 GCCAA 125
Db 188 GCCAA 192
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RESULT 10
US-08-254-358-1
; Sequence 1, Application US/08254358
; Patent No. 5658785
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
```

```
;
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/254,358
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5658785and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-254-358-1

Query Match 100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 1e-24; 0; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGGCGGACCAAGGTCGCC 60
QY 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGGCGGCGGAGAGGGAGTG 120
Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGGCGGCGGAGAGGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 11
US-08-475-391-1
; Sequence 1, Application US/08475391
; Patent No. 5786211
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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;
; APPLICATION NUMBER: US/08/475,391
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/254,358
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5786211and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-475-391-1

Query Match 100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 1e-24; 0; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGGCGGACCAAGGTCGCC 60
QY 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGGCGGCGGAGAGGGAGTG 120
Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGGAGCGGCGGCGGAGAGGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 12
US-08-709-609-1
; Sequence 1, Application US/08709609
; Patent No. 5858775
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/709,609
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5858775and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
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; ORGANISM: AAV-6
US-09-807-802A-19

Query Match      100.0%; Score 125; DB 4; Length 4683;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 16
US-09-299-141-4
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match      100.0%; Score 125; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 17
US-09-299-141-4/c
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
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; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match      100.0%; Score 125; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 2958 GCCAA 2954

RESULT 18
US-09-299-141-8
; Sequence 8, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMD
; OTHER INFORMATION: p43msenc-AT
US-09-299-141-8

Query Match      100.0%; Score 125; DB 3; Length 6142;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
DB 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 137

QY 121 GCCAA 125
DB 138 GCCAA 142
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; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6253 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1701
US-08-893-327-15

Query Match 100.0%; Score 125; DB 3; Length 6253;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGAGCGGCGGCGACCAAGGTCGCC 60
DB 3400 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGAGCGGCGGCGACCAAGGTCGCC 3341

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGTAGAGCGGCGGCGAGAGGAGTG 120
DB 3340 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGTAGAGCGGCGGCGAGAGGAGTG 3281

QY 121 GCCAA 125
DB 3280 GCCAA 3276

RESULT 22
US-08-893-327-17
; Sequence 17, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/588,201
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UFLA:062\KIT
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1728
US-08-893-327-17

Query Match 100.0%; Score 125; DB 3; Length 6280;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;
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```
; LOCATION: 988..1728
US-08-893-327-17

Query Match 100.0%; Score 125; DB 3; Length 6280;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGAGCGGCGGCGACCAAGGTCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGAGCGGCGGCGACCAAGGTCGCC 78

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGTAGAGCGGCGGCGAGAGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGTAGAGCGGCGGCGAGAGGAGTG 138

QY 121 GCCAA 125
DB 139 GCCAA 143

RESULT 23
US-08-893-327-17/c
; Sequence 17, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,327
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/588,201
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UFLA:062\KIT
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 988..1728
US-08-893-327-17

Query Match 100.0%; Score 125; DB 3; Length 6280;
Best Local Similarity 100.0%; Pred. No. 1e-24; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGAGCGGCGGCGACCAAGGTCGCC 60
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; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1
Query Match      100.0%; Score 125; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 78
QY 61 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGAGAGGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGGAGAGGGAGTG 138
QY 121 GCCAA 125
DB 139 GCCAA 143
RESULT 27
US-09-299-141-1/c
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1
Query Match      100.0%; Score 125; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 78
QY 61 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGAGAGGGAGTG 120
DB 79 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGGAGAGGGAGTG 138
QY 121 GCCAA 125
DB 139 GCCAA 143
RESULT 28
US-09-299-141-6
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
US-09-299-141-6
Query Match      100.0%; Score 125; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 60
DB 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTGCGCC 77
QY 61 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGAGAGGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCGGGGCGCTCAGTGAGCGAGCGGCGGCGGAGAGGGAGTG 137
QY 121 GCCAA 125
DB 138 GCCAA 142
RESULT 29
US-09-299-141-6/c
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
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```
Db 138 GCCAA 142

RESULT 33
US-09-299-141-10/c
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-10

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011

QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 3951

QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 34
US-09-299-141-11
; Sequence 11, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011

QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 3951

QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 35
US-09-299-141-11/c
; Sequence 11, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 60
DB 4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAAAGGTGCGCC 4011

QY 61 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 120
DB 4010 CGACGCCCGGGCTTTGCCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGAGGAGTG 3951

QY 121 GCCAA 125
DB 3950 GCCAA 3946

RESULT 36
US-09-299-141-7
; Sequence 7, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43msENCB-AT
US-09-299-141-11

Query Match 100.0%; Score 125; DB 3; Length 6924;
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|||||
Db 4141 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGGAGTG 4082
QY 121 GCCAA 125
Db 4081 GCCAA 4077

RESULT 40
US-09-299-141-2
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID E-AT
US-09-299-141-2

Query Match 100.0%; Score 125; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 78

QY 61 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 79 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 138

QY 121 GCCAA 125
Db 139 GCCAA 143

RESULT 41
US-09-299-141-2/c
; Sequence 2, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 7405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID E-AT
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US-09-299-141-2

Query Match 100.0%; Score 125; DB 3; Length 7405;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 4552 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 4493

QY 61 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 4492 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 4433

QY 121 GCCAA 125
Db 4432 GCCAA 4428

RESULT 42
US-09-299-141-5
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: p43C-AT-IN
US-09-299-141-5

Query Match 100.0%; Score 125; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 1e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 6279 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 6338

QY 61 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 120
Db 6339 CGACGCCCGGGCTTTGCCCCGGCGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 6398

QY 121 GCCAA 125
Db 6399 GCCAA 6403

RESULT 43
US-09-299-141-5/c
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
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```
; Sequence 1, Application US/08305221
; Patent No. 5834441
; GENERAL INFORMATION:
; APPLICANT: APPLIED IMMUNE, SCIENCES, INC.
; APPLICANT: PHILIP, RAMILA
; APPLICANT: LEBKOWSKI, JANE
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL (AAV)
; TITLE OF INVENTION: LIPOSOMES
; TITLE OF INVENTION: AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HELLER, EHRMAN, WHITE & MCAULIFFE
; STREET: 333 BUSH STREET
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104-2878
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/305,221
; FILING DATE: 12-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/120,605
; FILING DATE: 13-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: LITHGOW, TIMOTHY J.
; REGISTRATION NUMBER: US 36,856
; REFERENCE/DOCKET NUMBER: 12414-0163
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-772-6000
; TELEFAX: 415-772-6268
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: PCT/US94/09774
; FILING DATE: 13-SEP-1994
; US-08-303-221-1

Query Match          97.4%; Score 121.8; DB 2; Length 5585;
Best Local Similarity 98.4%; Pred. No. 7.3e-24;
Matches 123; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TTGGGCACCTCCCTCTCTGGCGGCTCGCTCACTGAGGCGGGCGGACCAAGGTGCGCC 60
Db      |
        46 TGGGGCACCTCCCTCTCTGGCGGCTCGCTCACTGAGGAGCGGGCGGACCAAGGTGCGCC 105
QY      61 CCAGCGCGGGGTTTGGCGGGCGGCTCACTGAGGCGGAGCGGCGGAGAGGGAGTG 120
Db      |
        106 CCAGCGCGGGGTTTGGCGGGCGGCTCACTGAGGCGGAGCGGCGGAGAGGGAGTG 165
QY      121 GCCAA 125
Db      |||||
        166 GCCAA 170

RESULT 48
US-09-000-003A-1
; Sequence 1, Application US/09000003A
; Patent No. 6652850
; GENERAL INFORMATION:
; APPLICANT: Philip, Ramila
; APPLICANT: Lebkowski, Jane S.
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL LIPOSOMES AND
; THEIR USE IN TRANSFECTING DENDRITIC CELLS TO STIMULATE
; SPECIFIC IMMUNITY
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Alexis Barron, Esq.
; STREET: Suite 2600 Aramark Tower, 1101 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19107
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,003A
; FILING DATE: 15-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12012
; FILING DATE: 19-JUL-1996
; APPLICATION NUMBER: US 60/001,312
; FILING DATE: 21-JUL-1995
; APPLICATION NUMBER: US 60/007,184
; FILING DATE: 01-NOV-1995
; APPLICATION NUMBER: US 08/566,286
; FILING DATE: 01-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Barron, Alexis
; REGISTRATION NUMBER: 22,702
; REFERENCE/DOCKET NUMBER: 20,846-K USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 923-4466
; TELEFAX: (215) 923-2189
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1565..2035
; OTHER INFORMATION: /product= "Residues 1565 to 1579 rat insulin
; signal peptide; residues 1580 to 1582 linker;
; residues 1583
; to 2035 human IL-2"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..44
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 45..239
; OTHER INFORMATION: /function= "Left terminal region of
; adeno-associated virus"
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 293..1075
; OTHER INFORMATION: /function= "CMV promoter"
; FEATURE:
; NAME/KEY: idna
; LOCATION: 1079..1264
; OTHER INFORMATION: /function= "Adeno virus major late
; intervening sequence"
; FEATURE:
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;
; NAME/KEY: idNA
; LOCATION: 1269..1357
; OTHER INFORMATION: /function= "Mouse immunoglobulin
; intervening sequence"
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1394..1564
; OTHER INFORMATION: /function= "Rat preproinsulin 5'
; untranslated region"
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 2085..2471
; OTHER INFORMATION: /standard_name= "SV40
; polyadenylation signal"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 2579..2762
; OTHER INFORMATION: /function= "right terminal region
; of adeno-associated virus"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2763..5585
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 2039..2071
; OTHER INFORMATION: /function= "3' untranslated region
; of human IL-2"
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-000-003A-1

Query Match          97.4%; Score 121.8; DB 4; Length 5585;
Best Local Similarity 98.4%; Pred. No. 7.3e-24;
Matches 123; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGCGCTCGCTCACTGAGCGCGCGGACCAAGGTCGCC 60
Db 46 TGGGCGCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGACCAAGGTCGCC 105
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGAGCGGAGGAGGTG 120
Db 106 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGAGGAGGAGGTG 165
QY 121 GCCAA 125
Db 166 GCCAA 170

RESULT 49
US-08-702-573-5
; Sequence 5, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: LATTA, Martine
; APPLICANT: DENEUF, Patrice
; APPLICANT: VIGNE, Emmanuelle
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3043
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..194
; OTHER INFORMATION: /note= "Left AAV ITR From pXL2629"
US-08-702-573-5

Query Match          96.6%; Score 120.8; DB 3; Length 194;
Best Local Similarity 98.4%; Pred. No. 1.1e-23;
Matches 122; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 6 TGGGCGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 65
QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGGAGGTG 120
Db 66 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGGCGGAGGAGGTG 125
QY 121 GCCA 124
Db 126 GCCA 129

RESULT 50
US-07-989-841A-6/c
; Sequence 6, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: XIAO, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
```



```
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-6

Query Match          96.2%; Score 120.2; DB 1; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 51
US-08-440-738A-6/c
; Sequence 6, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
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```
US-08-440-738A-6

Query Match          96.2%; Score 120.2; DB 2; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 52
US-08-471-914-6/c
; Sequence 6, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-08-471-914-6

Query Match          96.2%; Score 120.2; DB 3; Length 145;
Best Local Similarity 97.6%; Pred. No. 1.6e-23;
Matches 122; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAGGTGCGCC 86

QY 61 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 CGACGCCCGGGCTTTTCCCGCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGAGAGGGAGTG 26

QY 121 GCCAA 125
   |||||
Db 25 GCCAA 21

RESULT 53
US-09-276-625-6
; Sequence 6, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
```

```
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone pl202
US-09-276-625-6

Query Match          94.9%; Score 118.6; DB 3; Length 272;
Best Local Similarity 96.8%; Pred. No. 4.5e-23;
Matches 121; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 60
   |||||
Db 69 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 128
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCGCTCACTGAGCGAGCGGCGCGCAGAGGGAGTG 120
   |||||
Db 129 CGACGCCCGGGCTTTGGTTCGCCCGGCGCTCACTGAGCGAGCGGCGCGCAGAGGGAGTG 188
   |||||

QY 121 GCCAA 125
   |||||
Db 189 GCCAA 193
   |||||

RESULT 54
US-09-394-110A-2
; Sequence 2, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Expression
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 183
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-394-110A-2

Query Match          93.6%; Score 117; DB 3; Length 183;
Best Local Similarity 100.0%; Pred. No. 1.2e-22;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 60
   |||||
Db 67 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 126
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCGCTCACTGAGCGAGCGGCGCGCAGAGAGGGA 117
   |||||
Db 127 CGACGCCCGGGCTTTGCCCGGGCGGCGCTCACTGAGCGAGCGGCGCGCAGAGAGGGA 183
   |||||

RESULT 55
US-08-910-647-1
; Sequence 1, Application US/08910647
; Patent No. 6251433
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; TITLE OF INVENTION: Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/620,925
; FILING DATE: 21-Jul-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,647
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
```

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,647
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-910-647-1

Query Match          89.1%; Score 111.4; DB 3; Length 9600;
Best Local Similarity 99.1%; Pred. No. 4.5e-21;
Matches 112; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 60
   |||||
Db 7246 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAAAGTCCGC 7305
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCGCTCACTGAGCGAGCGGCGCGCAGAGGA 113
   |||||
Db 7306 CGACGCCCGGGCTTTGCCCGGGCGGCGCTCACTGAGCGAGCGGCGCGCAGAGGA 7358
   |||||

RESULT 56
US-09-620-925-1
; Sequence 1, Application US/09620925
; Patent No. 6468986
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; TITLE OF INVENTION: Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/620,925
; FILING DATE: 21-Jul-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,647
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
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```
; LENGTH: 4999
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-470-618-14

Query Match      88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||||
Db 125 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 66

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCCCTCAGTGAGCGAGCGCGCGCAG 110
   |||||||
Db 65 CGACGCCCGGGCTTTGCCCGGCGGCCCTCAGTGAGCGAGCGCGCGCAG 16

RESULT 60
US-09-364-862-14
; Sequence 14, Application US/09364862
; Patent No. 6221349
; GENERAL INFORMATION:
; APPLICANT: Couto, Linda B.
; APPLICANT: Colosi, Peter C.
; TITLE OF INVENTION: ADENO-ASSOCIATED VECTORS FOR EXPRESSION OF FACTOR VIII
; TITLE OF INVENTION: BY TARGET
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: AVIGEN-03743
; CURRENT APPLICATION NUMBER: US/09/364,862
; CURRENT FILING DATE: 1999-07-30
; EARLIER APPLICATION NUMBER: 60/125,974
; EARLIER FILING DATE: 1999-03-24
; EARLIER APPLICATION NUMBER: 60/104,994
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 14
; LENGTH: 4999
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-364-862-14

Query Match      88.0%; Score 110; DB 3; Length 4999;
Best Local Similarity 100.0%; Pred. No. 1e-20;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
   |||||||
Db 4875 TTGGCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 4934

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCCCTCAGTGAGCGAGCGCGCGCAG 110
   |||||||
Db 4935 CGACGCCCGGGCTTTGCCCGGCGGCCCTCAGTGAGCGAGCGCGCGCAG 4984
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Search completed: July 5, 2005, 13:29:12
Job time : 100.278 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 10:51:06 ; Search time 486.556 Seconds
(without alignments)
1869.194 Million cell updates/sec

Title: US-10-620-039-1
Perfect score: 145
Sequence: 1 TTGGCCACTCCCTCTCTGCG.....CTCCATCACTAGGGTTCCT 145

Scoring table: IDENTITY NUC
Gap 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 300 summaries

Database : Published Applications NA.*

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- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
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- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/PTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 145 | 100.0 | 145 | 20 | US-10-837-029-11 |
| 4 | 145 | 100.0 | 145 | 21 | US-10-501-756-12 |
| 5 | 145 | 100.0 | 146 | 13 | US-10-135-984-8 |
| 6 | 145 | 100.0 | 165 | 9 | US-09-782-378A-8 |
| 7 | 145 | 100.0 | 165 | 13 | US-10-054-665-7 |

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| 145 | 100.0 | 170 | 19 | US-10-669-641-3 | Sequence 3, Appl |
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| 145 | 100.0 | 175 | 15 | US-10-023-208-58 | Sequence 58, Appl |
| 145 | 100.0 | 955 | 10 | US-09-845-416-26 | Sequence 26, Appl |
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| 145 | 100.0 | 987 | 10 | US-09-845-416-33 | Sequence 33, Appl |
| 145 | 100.0 | 414 | 10 | US-09-845-416-32 | Sequence 32, Appl |
| 145 | 100.0 | 414 | 10 | US-09-845-416-32 | Sequence 32, Appl |
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| 145 | 100.0 | 4476 | 10 | US-09-845-416-31 | Sequence 31, Appl |
| 145 | 100.0 | 4498 | 10 | US-09-845-416-30 | Sequence 30, Appl |
| 145 | 100.0 | 4498 | 10 | US-09-845-416-30 | Sequence 30, Appl |
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| 145 | 100.0 | 4675 | 9 | US-09-782-378A-2 | Sequence 2, Appl |
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| 145 | 100.0 | 4675 | 15 | US-10-291-583-7 | Sequence 7, Appl |
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| 145 | 100.0 | 4679 | 16 | US-10-136-819-6 | Sequence 6, Appl |
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| 145 | 100.0 | 4681 | 18 | US-10-696-900-18 | Sequence 18, Appl |
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| 145 | 100.0 | 4683 | 19 | US-10-427-129-6 | Sequence 6, Appl |
| 145 | 100.0 | 4683 | 21 | US-10-959-017-2 | Sequence 2, Appl |
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| 145 | 100.0 | 4825 | 10 | US-09-845-416-29 | Sequence 29, Appl |
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| 145 | 100.0 | 4848 | 10 | US-09-845-416-35 | Sequence 35, Appl |
| 145 | 100.0 | 4966 | 10 | US-09-845-416-28 | Sequence 28, Appl |
| 145 | 100.0 | 4966 | 10 | US-09-845-416-36 | Sequence 36, Appl |
| 145 | 100.0 | 4990 | 10 | US-09-845-416-34 | Sequence 34, Appl |
| 145 | 100.0 | 4990 | 10 | US-09-845-416-34 | Sequence 34, Appl |
| 145 | 100.0 | 5060 | 10 | US-09-845-416-36 | Sequence 36, Appl |
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| 145 | 100.0 | 5149 | 10 | US-09-845-416-27 | Sequence 27, Appl |
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| c 94 | 145 | 100.0 | 7405 | 14 | US-10-340-112-2 | Sequence 2, Appl | c 167 | 110 | 75.9 | 4999 | 9 | US-09-740-211-14 | Sequence 14, Appl |
| c 95 | 145 | 100.0 | 7492 | 14 | US-10-267-117-5 | Sequence 5, Appl | c 168 | 110 | 75.9 | 4999 | 13 | US-10-007-968-14 | Sequence 14, Appl |
| c 96 | 145 | 100.0 | 7492 | 14 | US-10-267-117-5 | Sequence 5, Appl | c 169 | 110 | 75.9 | 4999 | 13 | US-10-007-968-14 | Sequence 14, Appl |
| c 97 | 145 | 100.0 | 7492 | 14 | US-10-340-112-5 | Sequence 5, Appl | c 170 | 110 | 75.9 | 4999 | 14 | US-10-293-400-14 | Sequence 14, Appl |
| c 98 | 145 | 100.0 | 7492 | 14 | US-10-340-112-5 | Sequence 5, Appl | c 171 | 110 | 75.9 | 4999 | 14 | US-10-293-400-14 | Sequence 14, Appl |
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| c 102 | 145 | 100.0 | 7944 | 13 | US-10-085-718-1 | Sequence 1, Appl | c 175 | 110 | 75.9 | 5437 | 21 | US-10-604-340-1 | Sequence 1, Appl |
| c 103 | 145 | 100.0 | 8698 | 9 | US-09-681-970-1 | Sequence 1, Appl | c 176 | 110 | 75.9 | 6437 | 21 | US-10-604-340-3 | Sequence 3, Appl |
| c 104 | 144 | 99.3 | 8698 | 9 | US-09-770-315-2 | Sequence 2, Appl | c 177 | 110 | 75.9 | 6437 | 21 | US-10-604-340-3 | Sequence 3, Appl |
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| c 106 | 144 | 99.3 | 7914 | 13 | US-10-095-718-3 | Sequence 3, Appl | c 179 | 110 | 75.9 | 7648 | 17 | US-10-176-066-1 | Sequence 1, Appl |
| c 107 | 144 | 99.3 | 7944 | 13 | US-10-681-970-3 | Sequence 1, Appl | c 180 | 110 | 75.9 | 8092 | 17 | US-10-176-066-2 | Sequence 2, Appl |
| c 108 | 144 | 99.3 | 7944 | 13 | US-10-085-718-1 | Sequence 1, Appl | c 181 | 110 | 75.9 | 8092 | 17 | US-10-176-066-2 | Sequence 2, Appl |
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| c 110 | 138.6 | 95.6 | 272 | 13 | US-10-054-665-6 | Sequence 6, Appl | c 183 | 110 | 75.9 | 8509 | 14 | US-10-255-527-1 | Sequence 1, Appl |
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| c 117 | 119.4 | 82.3 | 272 | 13 | US-10-054-665-4 | Sequence 4, Appl | c 190 | 110 | 75.9 | 10398 | 9 | US-09-923-726-1 | Sequence 1, Appl |
| c 118 | 119.4 | 82.3 | 6514 | 13 | US-10-090-983-1 | Sequence 1, Appl | c 191 | 110 | 75.9 | 11933 | 9 | US-09-740-211-13 | Sequence 13, Appl |
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| c 120 | 117.8 | 81.2 | 165 | 13 | US-10-054-665-7 | Sequence 7, Appl | c 193 | 110 | 75.9 | 11933 | 13 | US-10-007-968-13 | Sequence 13, Appl |
| c 121 | 117.8 | 81.2 | 165 | 16 | US-10-159-968-13 | Sequence 13, Appl | c 194 | 110 | 75.9 | 11933 | 13 | US-10-007-968-13 | Sequence 13, Appl |
| c 122 | 117.8 | 81.2 | 175 | 17 | US-10-276-356-1 | Sequence 1, Appl | c 195 | 110 | 75.9 | 11933 | 14 | US-10-293-400-13 | Sequence 13, Appl |
| c 123 | 117.8 | 81.2 | 207 | 15 | US-10-023-208-58 | Sequence 58, Appl | c 196 | 110 | 75.9 | 11933 | 14 | US-10-293-400-13 | Sequence 13, Appl |
| c 124 | 117.8 | 81.2 | 4675 | 9 | US-09-782-378A-1 | Sequence 1, Appl | c 197 | 109.8 | 75.7 | 174 | 18 | US-10-362-906-6 | Sequence 6, Appl |
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| c 127 | 117.8 | 81.2 | 4675 | 15 | US-10-291-583-7 | Sequence 7, Appl | c 200 | 109 | 75.2 | 505 | 13 | US-10-054-665-3 | Sequence 3, Appl |
| c 128 | 117.8 | 81.2 | 4675 | 19 | US-10-427-129-2 | Sequence 2, Appl | c 201 | 108.8 | 75.0 | 4721 | 15 | US-10-291-583-1 | Sequence 1, Appl |
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| c 130 | 117.8 | 81.2 | 4679 | 9 | US-09-945-681-10 | Sequence 10, Appl | c 203 | 108 | 74.5 | 5610 | 13 | US-10-090-983-2 | Sequence 2, Appl |
| c 131 | 117.8 | 81.2 | 4679 | 13 | US-10-038-972A-12 | Sequence 12, Appl | c 204 | 108 | 74.5 | 5974 | 13 | US-10-090-983-8 | Sequence 8, Appl |
| c 132 | 117.8 | 81.2 | 4679 | 16 | US-10-136-819-6 | Sequence 6, Appl | c 205 | 108 | 74.5 | 5974 | 13 | US-10-090-983-8 | Sequence 8, Appl |
| c 133 | 117.8 | 81.2 | 4680 | 13 | US-10-077-294-1 | Sequence 1, Appl | c 206 | 108 | 74.5 | 7015 | 9 | US-09-770-315-1 | Sequence 1, Appl |
| c 134 | 117.8 | 81.2 | 4680 | 13 | US-10-163-886-1 | Sequence 1, Appl | c 207 | 108 | 74.5 | 7015 | 9 | US-09-770-315-1 | Sequence 1, Appl |
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| c 136 | 117.8 | 81.2 | 4680 | 15 | US-10-375-777-1 | Sequence 1, Appl | c 209 | 108 | 74.5 | 7096 | 13 | US-10-090-983-3 | Sequence 3, Appl |
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| c 142 | 114.6 | 79.0 | 4681 | 18 | US-10-696-261-18 | Sequence 18, Appl | c 215 | 107.4 | 74.1 | 4718 | 18 | US-10-696-261-1 | Sequence 1, Appl |
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| c 144 | 114.6 | 79.0 | 4681 | 18 | US-10-696-900-18 | Sequence 18, Appl | c 217 | 107.4 | 74.1 | 4718 | 19 | US-10-427-129-1 | Sequence 1, Appl |
| c 145 | 114.4 | 78.9 | 300 | 13 | US-10-054-665-5 | Sequence 5, Appl | c 218 | 107.4 | 74.1 | 4718 | 21 | US-10-959-017-3 | Sequence 3, Appl |
| c 146 | 111.4 | 76.8 | 9600 | 16 | US-10-278-751-1 | Sequence 1, Appl | c 219 | 105.8 | 73.0 | 4683 | 18 | US-10-696-261-19 | Sequence 19, Appl |
| c 147 | 110.6 | 76.3 | 145 | 20 | US-10-837-029-5 | Sequence 5, Appl | c 220 | 105.8 | 73.0 | 4683 | 18 | US-10-696-261-19 | Sequence 19, Appl |
| c 148 | 110.6 | 76.3 | 4722 | 19 | US-10-427-129-3 | Sequence 3, Appl | c 221 | 105.8 | 73.0 | 4683 | 18 | US-10-696-261-19 | Sequence 19, Appl |
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| c 150 | 110.6 | 76.3 | 4726 | 21 | US-10-959-017-4 | Sequence 1, Appl | c 223 | 104.2 | 71.9 | 4683 | 19 | US-10-427-129-6 | Sequence 6, Appl |
| c 151 | 110.4 | 76.1 | 6514 | 13 | US-10-090-983-1 | Sequence 1, Appl | c 224 | 104.2 | 71.9 | 4683 | 21 | US-10-959-017-2 | Sequence 2, Appl |
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C 260 78.4 54.1 7744 19 US-10-415-834-14 Sequence 6, Appli
C 261 78.4 54.1 125 10 US-09-254-747-6 Sequence 6, Appli
C 262 77 53.1 145 20 US-10-837-029-6 Sequence 5, Appli
C 263 77 53.1 145 20 US-10-837-029-6 Sequence 5, Appli
C 264 71.8 49.5 300 13 US-10-054-665-5 Sequence 11, Appli
C 265 70.6 48.7 88 16 US-10-159-968-14 Sequence 15, Appli
C 266 68.6 47.3 316 13 US-10-054-665-11 Sequence 14, Appli
C 267 68 46.9 70 16 US-10-159-968-15 Sequence 14, Appli
C 268 68 46.9 88 16 US-10-159-968-14 Sequence 5, Appli
C 269 64.6 44.6 169 9 US-09-925-298-390 Sequence 390, App
C 270 64.6 44.6 382 9 US-09-925-298-390 Sequence 390, App
C 271 64.6 44.6 382 14 US-10-102-806-330 Sequence 20, Appli
C 272 64.4 44.4 129 10 US-09-254-747-20 Sequence 13, Appli
C 273 63.4 43.7 310 13 US-10-054-665-13 Sequence 47, Appli
C 274 63 43.4 63 9 US-09-792-630-47 Sequence 47, Appli
C 275 63 43.4 63 10 US-09-953-351-47 Sequence 47, Appli
C 276 63 43.4 63 13 US-10-080-376-47 Sequence 53, Appli
C 277 63 43.4 63 14 US-10-082-671-53 Sequence 47, Appli
C 278 63 43.4 63 14 US-10-097-100-47 Sequence 47, Appli
C 279 63 43.4 63 15 US-10-023-208-47 Sequence 2, Appli
C 280 63 43.4 63 18 US-10-362-906-2 Sequence 390, App
C 281 63 43.4 382 9 US-09-925-298-390 Sequence 390, App
C 282 63 43.4 382 14 US-10-102-806-330 Sequence 16, Appli
C 283 61 42.1 61 16 US-10-159-968-16 Sequence 11, Appli
C 284 60.6 41.8 316 13 US-10-054-665-11 Sequence 10, Appli
C 285 59.8 41.2 276 13 US-10-054-665-10 Sequence 20, Appli
C 286 59.4 41.0 61 16 US-10-159-968-19 Sequence 19, Appli
C 287 56.6 39.0 129 10 US-09-254-747-20 Sequence 15, Appli
C 288 52.6 36.3 70 16 US-10-159-968-15 Sequence 13, Appli
C 289 52.2 36.0 310 13 US-10-054-665-13 Sequence 60, Appli
C 290 52 35.9 54 15 US-10-023-208-60 Sequence 59, Appli
C 291 50.8 35.0 115 15 US-10-023-208-59 Sequence 47, Appli
C 292 49.2 33.9 63 9 US-09-792-630-47 Sequence 47, Appli
C 293 49.2 33.9 63 10 US-09-953-351-47 Sequence 47, Appli
C 294 49.2 33.9 63 13 US-10-080-376-47 Sequence 53, Appli
C 295 49.2 33.9 63 14 US-10-082-671-53 Sequence 47, Appli
C 296 49.2 33.9 63 14 US-10-097-100-47 Sequence 47, Appli
C 297 49.2 33.9 63 15 US-10-023-208-47 Sequence 6, Appli
C 298 49.2 33.9 82 14 US-10-082-671-6 Sequence 57, Appli
C 299 49.2 33.9 82 15 US-10-023-208-57
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Query Match 100.0%; Score 145; DB 9; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.6e-35; Mismatches 0; Indels 0; Gaps 0;
Matches 145; Conservative 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGCGGACCAAGGTGCGCC 60
|||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGGCGGACCAAGGTGCGCC 60
|||||

QY 61 CGACGCCCGGGGTTTGGCGCGCGCGCTCGCTGAGCGAGCGCGCGGCGGAGGAGTG 120
|||||
Db 61 CGACGCCCGGGGTTTGGCGCGCGCGCTCGCTGAGCGAGCGCGCGGCGGAGGAGTG 120
|||||

QY 121 GCCAACTCCATCACTAGGGTTCTT 145
|||||
Db 121 GCCAACTCCATCACTAGGGTTCTT 145
|||||

RESULT 2
US-10-837-029-1
; Sequence 1, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.105US1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-1

Query Match 100.0%; Score 145; DB 20; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.6e-35; Mismatches 0; Indels 0; Gaps 0;
Matches 145; Conservative 0;

| | | | |
|----|-----|---|-----|
| Qy | 1 | TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGCGGCGCAACAAAGGTCGCC | 60 |
| | | | |
| | | | |
| | | | |
| | | | |
| Db | 1 | TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGCGGCGCAACAAAGGTCGCC | 60 |
| | | | |
| | | | |
| | | | |
| | | | |
| Qy | 61 | CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGAGCGAGCGCGCCGACAGAGGGAGTG | 120 |
| | | | |
| | | | |
| | | | |
| Db | 61 | CGACGCCCGGGCTTTGCCCGGCGGCGCTCACTGAGCGGAGCGAGCGCGCCGACAGAGGGAGTG | 120 |
| | | | |
| | | | |
| | | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 |
| | | | |
| | | | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 |
| | | | |
| | | | |
| | | | |

```

RESULT 3
US-10-837-029-11
; Sequence 11, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.105US1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

```

```

RESULT 4
US-10-501-756-12
; Sequence 12, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiuwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A
; TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH
; FILE REFERENCE: 186/137
; CURRENT APPLICATION NUMBER: US/10/501,756
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: US 60/349,532
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 145
; TYPE: DNA

```

```

; ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match      100.0%; Score 145; DB 21; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.6e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTGTGCGCGTCTGCTCACTGAGGCGGGCGACCAAAAGGTGCC 60
Db      1 TTGGCCACTCCCTCTGTGCGCGTCTGCTCACTGAGGCGGGCGACCAAAAGGTGCC 60

QY      61 CGAGCGCCGGGCTTTGCGCGGGCGGCTCTAGTGAGCGAGCGCCGAGAGGGAGTG 120
Db      61 CGAGCGCCGGGCTTTGCGCGGGCGGCTCTAGTGAGCGAGCGCCGAGAGGGAGTG 120

QY      121 GCCAACTCCATCACTAGGGGTTCTCT 145
Db      121 GCCAACTCCATCACTAGGGGTTCTCT 145

```

```

RESULT 5
US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; APPLICANT: Anton J. Cathomen
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; TITLE OF INVENTION: REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)
; FILE REFERENCE: SALKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

```

```

RESULT 6
US-09-782-378A-8
; Sequence 8, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE OF INVENTION: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747

```



```
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match      100.0%; Score 145; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGGTTCT 165

RESULT 7
US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match      100.0%; Score 145; DB 13; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 141 GCCAACTCCATCACTAGGGGTTCT 165

RESULT 8
US-10-159-968-13/c
; Sequence 13, Application US/10159968
; Publication No. US20030152914A1
; GENERAL INFORMATION:
; APPLICANT: Kaplitt, Michael G.
; APPLICANT: Musatov, Serge
; TITLE OF INVENTION: Method for Generating Replication
; TITLE OF INVENTION: Defective Viral Vectors That are Helper Free
; FILE REFERENCE: 600-1-286
; CURRENT APPLICATION NUMBER: US/10/159,968
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/294,797
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: US 60/313,007
; PRIOR FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-159-968-13

Query Match      100.0%; Score 145; DB 16; Length 165;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 145 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 85 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 26

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 25 GCCAACTCCATCACTAGGGGTTCT 1

RESULT 9
US-10-669-641-3
; Sequence 3, Application US/10669641
; Publication No. US20040137626A1
; GENERAL INFORMATION:
; APPLICANT: WAGNER, THOMAS E.
; APPLICANT: YU, XIANXUANG
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
; FILE REFERENCE: 035879-0165
; CURRENT APPLICATION NUMBER: US/10/669,641
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,450
; PRIOR FILING DATE: 2002-09-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 3
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match      100.0%; Score 145; DB 19; Length 170;
Best Local Similarity 100.0%; Pred. No. 5.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
```


| | Matches | 145; | Conservative | 0; | Mismatches | 0; | Indels | 0; | Gaps | 0; |
|----|---------|---|--------------|----|------------|----|--------|----|------|----|
| Qy | 1 | TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGGCCGGCGACCAAAAGGTGCC | 60 | | | | | | | |
| Db | 955 | TTGGCCACTCCCTCTCTGCGCGCTCGTCTGCTCACTGAGGCCGGCGACCAAAAGGTGCC | 896 | | | | | | | |
| Qy | 61 | CGACGCCCGCGGCTTTTGGCCCGGGCGGCTCTCACTGAGCGAGCGCGCAGAGGGAGTG | 120 | | | | | | | |
| Db | 895 | CGACGCCCGCGGCTTTTGGCCCGGGCGGCTCTCACTGAGCGAGCGCGCAGAGGGAGTG | 836 | | | | | | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 | | | | | | | |
| Db | 835 | GCCAACTCCATCACTAGGGGTTTCCT | 811 | | | | | | | |

```

RESULT 14
US-09-845-416-33
; Sequence 33, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; OF THE SAME
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 987
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-33

```

| | Query Match | 100.0% | Score 145; | DB 10; | Length 987; |
|----|-----------------------|---|--------------------|-----------|-------------|
| | Best Local Similarity | 100.0%; | Pred. No. 4.3e-35; | | |
| | Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| Qy | 1 | TTGGCCACTCCCTCTCTGCGGGCTCGCTCACTGAGGCGGGCGACCAAGGTGCC | 60 | | |
| Db | 1 | TTGGCCACTCCCTCTCTGCGGGCTCGCTCACTGAGGCGGGCGACCAAGGTGCC | 60 | | |
| Qy | 61 | CGAGCGCCGGGCTTTGCGCGGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG | 120 | | |
| Db | 61 | CGAGCGCCGGGCTTTGCGCGGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG | 120 | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCT | 145 | | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTCT | 145 | | |

```

RESULT 15
US-09-845-416-33/c
; Sequence 33, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MININGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ. ID NO 33
; LENGTH: 987
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-33

```

| | Query Match | 100.0% | Score 145 | DB 10 | Length 987 |
|----|-----------------------|---|-------------------|----------|------------|
| | Best Local Similarity | 100.0% | Pred. No. 4.3e-35 | | |
| | Matches 145 | Conservative 0 | Mismatches 0 | Indels 0 | Gaps 0 |
| Qy | 1 | TTGGCCACTCCCTCTCTGCGCGGCTCGCTCAGTCTCAGTGGCCGGCGACCAAGGTCGCC | 60 | | |
| Db | 987 | TTGGCCACTCCCTCTCTGCGCGGCTCGCTCAGTGGCCGGCGACCAAGGTCGCC | 928 | | |
| Qy | 61 | CGACGCCCGGGGCTTTGGCCGGGGGGCCCTCAGTCAGCGAGCGCGCAGAGGGAGTG | 120 | | |
| Db | 927 | CGACGCCCGGGCTTTGCCCGGGGGCCCTCAGTCAGCGAGCGCGCAGAGGGAGTG | 868 | | |
| Qy | 121 | GCCAACTCCATCATCTAGGGGTTCTCT | 145 | | |
| Db | 867 | GCCAACTCCATCATCTAGGGGTTCTCT | 843 | | |

```

RESULT 16
US-09-845-416-32
; Sequence 32, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 4414
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-32

```

| Query Match | 100.0% | Score 145; | DB 10; | Length 4414; |
|-----------------------|-----------------|--|-----------|--------------|
| Best Local Similarity | 100.0%; | Pred. No. 3.5e-35; | | |
| Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0 |
| Qy | 1 | TTGGCCACTCCCTCTCTGCGGCTCGTTCGTCTCACTGAGCGCGGGCGACCAAGGTGCGCC | 60 | |
| Db | 1 | TTGGCCACTCCCTCTCTGCGGCTCGTTCGTCTCACTGAGCGCGGGCGACCAAGGTGCGCC | 60 | |
| Qy | 61 | CGAGCGCCGGGGCTTTGCGCGGGCGGCTTCAGTGAGCGAGCGCGCAGAGGAGGAGTG | 120 | |
| Db | 61 | CGAGCGCCGGGGCTTTGCGCGGGCGGCTTCAGTGAGCGAGCGCGCAGAGGAGGAGTG | 120 | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCTCT | 145 | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTCTCT | 145 | |

```

RESULT 17
US-09-845-416-32/c
; Sequence 32, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 32
; LENGTH: 4414

```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-32

Query Match      100.0%; Score 145; DB 10; Length 4414;
Best Local Similarity 100.0%; Pred. No. 3.5e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60
Db 4414 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 4355

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120
Db 4354 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 4295

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4294 GCCAACTCCATCACTAGGGGTTTCCT 4270

RESULT 18
US-09-845-416-31
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match      100.0%; Score 145; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 19
US-09-845-416-31/c
; Sequence 31, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
```

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 4476
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-31

Query Match      100.0%; Score 145; DB 10; Length 4476;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60
Db 4476 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 4417

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120
Db 4416 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 4357

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4356 GCCAACTCCATCACTAGGGGTTTCCT 4332

RESULT 20
US-09-845-416-30
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match      100.0%; Score 145; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGGACCAAAAGTCCGC 60

Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGGCGGAGAGGAGTG 120

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 21
US-09-845-416-30/c
; Sequence 30, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
```

```
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 4498
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-30

Query Match      100.0%; Score 145; DB 10; Length 4498;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60
Db 4498 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 4439

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 4438 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 4379

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4378 GCCAACTCCATCACTAGGGGTTTCCT 4354

RESULT 22
US-09-782-378A-1
; Sequence 1, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; TYPE: DNA
; LENGTH: 4675
; ORGANISM: Human adeno-associated virus 2
US-09-782-378A-1

Query Match      100.0%; Score 145; DB 9; Length 4675;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 23
US-09-782-378A-2
; Sequence 2, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; TYPE: DNA
; LENGTH: 4675
; ORGANISM: Human adeno-associated virus 2
US-09-782-378A-2

Query Match      100.0%; Score 145; DB 9; Length 4675;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 24
US-10-240-198-1
; Sequence 1, Application US/10240198
; Publication No. US20030100115A1
; GENERAL INFORMATION:
; APPLICANT: BTG International Ltd
; APPLICANT: BEARD DR, PETER
; APPLICANT: RAJ DR, KENNETH
; TITLE OF INVENTION: CYTOTOXIC AGENTS
; FILE REFERENCE: 142184WO
; CURRENT APPLICATION NUMBER: US/10/240,198
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: 0009887.1
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; TYPE: DNA
; LENGTH: 4675
; ORGANISM: adeno-associated virus 2
US-10-240-198-1

Query Match      100.0%; Score 145; DB 15; Length 4675;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAGGTTCGCC 60

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145
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RESULT 27
US-09-804-898-1
; Sequence 1, Application US/09804898
; Patent No. US20020045264A1
; GENERAL INFORMATION:
; APPLICANT: DURING, MATTHEW
; APPLICANT: XIAO, WEIDONG
; TITLE OF INVENTION: PRODUCTION OF CHIMERIC CAPSID VECTORS
; FILE REFERENCE: 102182-14
; CURRENT APPLICATION NUMBER: US/09/804,898
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-804-898-1

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| | Query Match | 100.0%; | Score 145; | DB 9; | Length 4679; |
|----|-----------------------|---|--------------------|-----------|--------------|
| | Best Local Similarity | 100.0%; | Pred. No. 3.4e-35; | | |
| | Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0 |
| Qy | 1 | TTGGCCACTCCCTCTCTGCGCGTCGCTCGCTCACTGAGCGCCGGCGACCAAAAGTCGCC | 60 | | |
| Db | 1 | TTGGCCACTCCCTCTCTGCGCGTCGCTCGCTCACTGAGCGCCGGCGACCAAAAGTCGCC | 60 | | |
| Qy | 61 | CGAGCGCCCGGGCTTTGGCCGGGGGGCCCTCACTGAGCGGAGCGCGCAGAGAGGGAGTG | 120 | | |
| Db | 61 | CGAGCGCCCGGGCTTTGGCCGGGGGGCCCTCACTGAGCGGAGCGCGCAGAGAGGGAGTG | 120 | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCCT | 145 | | |
| Db | 121 | GCAACTCCATCACTAGGGGTTCCT | 145 | | |

```

RESULT 28
US-09-945-681-10
; Sequence 10, Application US/09945681
; Patent No. US20020064878A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITE DE NANTES
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR RECOMBINANT
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS PRODUCTION
; FILE REFERENCE: B4182AA - UNIVERSITE DE NANTES
; CURRENT APPLICATION NUMBER: US/09/945,681
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: PCT/EP 00/01854
; PRIOR FILING DATE: 2000-03-05
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 10
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-945-681-10

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US-09-945-681-10

```
Query Match      100.0%; Score 145; DB 9; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||

QY 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||
Db 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||

RESULT 29
US-10-038-972A-12
; Sequence 12, Application US/10038972A
; Publication No. US20020192823A1
; GENERAL INFORMATION:
; APPLICANT: J. Bartlett
; TITLE OF INVENTION: AAV VECTORS AND METHODS
; FILE REFERENCE: 28335/36996US
; CURRENT APPLICATION NUMBER: US/10/038,972A
; PRIOR FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: US 60/260,124
; PRIOR FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-038-972A-12

Query Match      100.0%; Score 145; DB 13; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||

QY 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||
Db 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||

RESULT 30
US-10-136-819-6
; Sequence 6, Application US/10136819
; Publication No. US20030166593A1
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: No. US20030166593A1-viral vesicle vector for cardiac specific gen
; FILE REFERENCE: 6627-PA1198
; CURRENT APPLICATION NUMBER: US/10/136,819
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
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US-10-136-819-6

Query Match      100.0%; Score 145; DB 16; Length 4679;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGCAGAGGGAGTG 120
   |||||

QY 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||
Db 121 GCCAACTCCATCACTAGGGTTCT 145
   |||||

RESULT 31
US-10-077-294-1
; Sequence 1, Application US/10077294
; Publication No. US20020159979A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/077,294
; FILING DATE: 15-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/691,604
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: No. US20020159979A1and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-077-294-1

Query Match      100.0%; Score 145; DB 13; Length 4680;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC 60
   |||||
```


;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
;; STREET: 6300 Sears Tower, 233 S. Wacker Drive
;; CITY: Chicago
;; STATE: Illinois
;; COUNTRY: USA
;; ZIP: 60606
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/10/375,777
;; FILING DATE: 26-Feb-2003
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/10/163,886
;; FILING DATE: 04-Jun-2002
;; APPLICATION NUMBER: 09/292,703
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: No. US20030147912aland, Greta E.
;; REGISTRATION NUMBER: 35,302
;; REFERENCE/DOCKET NUMBER: 31975
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (312) 474-6300
;; TELEFAX: (312) 474-0448
;; TELEX: 25-3856

;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 4680 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-375-777-1

Query Match 100.0%; Score 145; DB 15; Length 4680;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 35
US-10-696-261-18
; Sequence 18, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-261-18

Query Match 100.0%; Score 145; DB 15; Length 4680;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 35
US-10-696-261-18
; Sequence 18, Application US/10696261
; Publication No. US20040057931A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,261
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694

;; PRIOR FILING DATE: 1999-11-02
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 18
;; LENGTH: 4681
;; TYPE: DNA
;; ORGANISM: AAV-2
US-10-696-261-18

Query Match 100.0%; Score 145; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 36
US-10-696-282-18
; Sequence 18, Application US/10696282
; Publication No. US20040057932A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVN.031USA
; CURRENT APPLICATION NUMBER: US/10/696,282
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: US/09/807,802A
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-10-696-282-18

Query Match 100.0%; Score 145; DB 18; Length 4681;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGCGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGCGGCTCAGTGAGCGGCGGCGGAGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 37
US-10-696-900-18
; Sequence 18, Application US/10696900
; Publication No. US2004005793A1


```
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-10-696-900-19

Query Match      100.0%; Score 145; DB 18; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGCGGCGACCAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 41
US-10-427-129-6
; Sequence 6, Application US/10427129
; Publication No. US20040101514A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Yuhong
; APPLICANT: During, Matthew
; TITLE OF INVENTION: High Transgene Expression of A Pseudotyped Adeno-Associated Virus
; FILE REFERENCE: 102182-24
; CURRENT APPLICATION NUMBER: US/10/427,129
; PRIOR FILING DATE: 2003-05-01
; PRIOR APPLICATION NUMBER: 09/804,898
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/189,110
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-10-427-129-6

Query Match      100.0%; Score 145; DB 19; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 42
US-10-959-017-2
; Sequence 2, Application US/10959017
; Publication No. US20050106125A1
; GENERAL INFORMATION:
; APPLICANT: PHILPOTT, NICOLA
; APPLICANT: PEDERSEN, ERIK S
; TITLE OF INVENTION: USE OF AAV INTEGRATION EFFICIENCY ELEMENT FOR MEDIATING
; TITLE OF INVENTION: SITE-SPECIFIC INTEGRATION OF A TRANSCRIPTION UNIT
; FILE REFERENCE: 230526
```

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; CURRENT APPLICATION NUMBER: US/10/959,017
; CURRENT FILING DATE: 2004-10-05
; PRIOR APPLICATION NUMBER: PCT/US03/11191
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/371,044
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: adeno-associated virus serotype 6
US-10-959-017-2

Query Match      100.0%; Score 145; DB 21; Length 4683;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 43
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29

Query Match      100.0%; Score 145; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGAGCGCGGCGACCAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTAGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 44
US-09-845-416-29/c
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
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RESULT 48
US-09-845-416-34
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match      100.0%; Score 145; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 121 GCCAATCCATCACTAGGGTTTCCT 145

RESULT 49
US-09-845-416-34/c
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match      100.0%; Score 145; DB 10; Length 4990;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB 4990 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 4931

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 4930 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 4871
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QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 4870 GCCAATCCATCACTAGGGTTTCCT 4846

RESULT 50
US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36

Query Match      100.0%; Score 145; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120

QY 121 GCCAATCCATCACTAGGGTTTCCT 145
DB 121 GCCAATCCATCACTAGGGTTTCCT 145

RESULT 51
US-09-845-416-36/c
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-36

Query Match      100.0%; Score 145; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB 5060 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 5001

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120
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Db 5000 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGACGAGCGAGCGCGCAGAGAGGGAGTG 4941
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 4940 GCCAACTCCATCACTAGGGGTTTCCT 4916

RESULT 52

US-09-845-416-27
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match 100.0%; Score 145; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGGACCAAAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGGACCAAAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGCGCGGACCGAGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGCGGACCGAGAGAGGGAGTG 120
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 53

US-09-845-416-27/c
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match 100.0%; Score 145; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 3.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGACCAAAAGGTCGCC 60

Db 5149 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGACCAAAAGGTCGCC 5090
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGCGGACCGAGAGAGGGAGTG 120
Db 5089 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGCGGACCGAGAGAGGGAGTG 5030
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 5029 GCCAACTCCATCACTAGGGGTTTCCT 5005

RESULT 54

US-10-267-117-4
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match 100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAAAGGTCGCC 60
Db 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGCGGACCAAAAGGTCGCC 77
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGCGGACCGAGAGAGGGAGTG 120
Db 78 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGGACCGAGAGAGGGAGTG 137
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 138 GCCAACTCCATCACTAGGGGTTTCCT 162

RESULT 55

US-10-267-117-4/c
; Sequence 4, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13

```
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-267-117-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 56
US-10-340-112-4
; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 57
US-10-340-112-4
; Sequence 4, Application US/10340112
; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 18 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 137

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 138 GCCAACTCCATCACTAGGGTTTCCT 162

RESULT 58
US-10-294-957-18
; Sequence 18, Application US/10294957
; Publication No. US20030148519A1
; GENERAL INFORMATION:
; APPLICANT: Good, Paul D.
; APPLICANT: Engelke, David R.
; APPLICANT: Paul, Cynthia P.
; TITLE OF INVENTION: Intracellular Expression and Delivery of siRNAs in Mammalian
; TITLE OF INVENTION: Cells
; FILE REFERENCE: UM-07225
; CURRENT APPLICATION NUMBER: US/10/294,957
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/332,170
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 6081
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-294-957-18

Query Match      100.0%; Score 145; DB 15; Length 6081;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 7 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 66
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; Publication No. US20030095949A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/340,112
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-10-340-112-4

Query Match      100.0%; Score 145; DB 14; Length 5932;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 3078 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 3019

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 2959

QY 121 GCCAACTCCATCACTAGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGTTTCCT 2934

RESULT 58
US-10-294-957-18
; Sequence 18, Application US/10294957
; Publication No. US20030148519A1
; GENERAL INFORMATION:
; APPLICANT: Good, Paul D.
; APPLICANT: Engelke, David R.
; APPLICANT: Paul, Cynthia P.
; TITLE OF INVENTION: Intracellular Expression and Delivery of siRNAs in Mammalian
; TITLE OF INVENTION: Cells
; FILE REFERENCE: UM-07225
; CURRENT APPLICATION NUMBER: US/10/294,957
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/332,170
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 6081
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-294-957-18

Query Match      100.0%; Score 145; DB 15; Length 6081;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
DB 7 TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 66
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QY 61 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 67 CGACGCCGGGCTTTGCCGGCGCCCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 126
QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db 127 GCCAACTCCATCACTAGGGGTTTCCT 151

RESULT 59
US-10-267-117-8
; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; PRIORITY FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENC-AT
US-10-267-117-8

Query Match 100.0%; Score 145; DB 14; Length 6142;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-10-267-117-8/c
; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; PRIORITY FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43msENC-AT
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Query Match 100.0%; Score 145; DB 14; Length 6142;
Best Local Similarity 100.0%; Pred. No. 3.3e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 60
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; Sequence 8, Application US/10267117
; Publication No. US20030082162A1
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/10/267,117
; PRIORITY FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US/09/299,141
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/083,025
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Listing first 300 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

RESULT 1
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; Sequence 1, Application US/07789917A
; Patent No. 5252479
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA

; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release q.0, Version q.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/789,917A
; FILING DATE: 19911118
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McNulty, William E.
; REGISTRATION NUMBER: 22,606
; REFERENCE/DOCKET NUMBER: 8361
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-07-789-917A-1
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; Best Local Similarity 100.0%; Pred. No. 4e-31;
; Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 2
US-08-702-573-4
; Sequence 4, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: Latta, Martine
; APPLICANT: DENEFE, Patrice
; APPLICANT: VIGNE, Emmanuelle
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; TITLE OF SEQUENCES: 13
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: PR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
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; NAME/KEY: misc feature
; LOCATION: 1..145
; OTHER INFORMATION: /note= "Minimal ITR Sequence"
US-08-702-573-4

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Best Local Similarity 100.0%; Pred. No. 4e-31;
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RESULT 3
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; Sequence 1, Application US/07982193
; Patent No. 6261834
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 19921125
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McNulty, William E.
; REGISTRATION NUMBER: 22,606
; REFERENCE/DOCKET NUMBER: 8361
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366

Query Match 100.0%; Score 145; DB 1; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; APPLICATION NUMBER: PR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-07-982-193-1

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Best Local Similarity 100.0%; Pred. No. 4e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 CGACGCCCGGGCTTTGCCCGGCGGCTCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
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Db 121 GCCAACTCCATCACTAGGGTTTCCT 145

RESULT 4
US-07-989-841A-1
; Sequence 1, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-1

Query Match 100.0%; Score 145; DB 1; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
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; Sequence 1, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; APPLICANT: Xiso, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

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Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
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; Sequence 1, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; APPLICANT: Xiso, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A
; FILING DATE: May 15, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

Query Match 100.0%; Score 145; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-08-471-914-1
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R.
; APPLICANT: Xiso, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

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Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
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; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
Db 21 TTGGCCACTCCCTCTCTGCGGGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 80
QY 61 CGACGCCCGGGCTTTGCGCGGGCTCGCTCACTGAGCGAGCGCGGCGCAGAGGGAGTG 120
```



```

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/709,609
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5858775and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-709-609-1

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| Query Match | 100.0% | Score 145; | DB 2; | Length 4680; |
|-----------------------|--|--------------------|-----------|--------------|
| Best Local Similarity | 100.0%; | Pred. No. 5.7e-31; | | |
| Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| 1 | TTGGGCACCTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC | 60 | | |
| 1 | TTGGGCACCTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTCGCC | 60 | | |
| 61 | CGACGCCCGGGCTTTGCCCGCGGCGCTCAGTGAGCGAGCGCGCAGAGGCGAGTG | 120 | | |
| 61 | CGACGCCCGGGCTTTGCCCGCGGCGCTCAGTGAGCGAGCGCGCAGAGGCGAGTG | 120 | | |
| 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 | | |
| 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 | | |

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RESULT 11
PCT-US95-07178-1
; Sequence 11, Application PC/TUS9507178
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; METHOD OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07178
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856

```

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; INFORMATION FOR SEQ ID NO: 1:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; MOLECULE TYPE: DNA (genomic)
PCT-US95-07178-1

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| | Query Match | 100.0%; | Score 145; | DB 5; | Length 4680; |
|----|-----------------------|---|--------------------|-----------|--------------|
| | Best Local Similarity | 100.0%; | Pred. NO. 5.7e-31; | | |
| | Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| Qy | 1 | TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCGCGGGCCACCAAGGTGCC | 60 | | |
| Db | 1 | TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCGCGGGCCACCAAGGTGCC | 60 | | |
| Qy | 61 | CGAGCGCCGGGCTTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCCAGAGAGGGAGTG | 120 | | |
| Db | 61 | CGAGCGCCGGGCTTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG | 120 | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCT | 145 | | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTCT | 145 | | |

RESULT 12

US-09-807-802A-18

; Sequence 18, Application US/09807802A

; Patent No. 6759237

; GENERAL INFORMATION:

; APPLICANT: Wilson, James M.

; APPLICANT: Xiao, Weidong

; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,

; TITLE OF INVENTION: Vectors and Host Cells Containing Same

; FILE REFERENCE: GNPVN.031USA

; CURRENT APPLICATION NUMBER: US/09/807,802A

; CURRENT FILING DATE: 2002-02-21

; PRIOR APPLICATION NUMBER: US 60/107,114

; PRIOR FILING DATE: 1998-11-05

; PRIOR APPLICATION NUMBER: PCT/US99/25694

; PRIOR FILING DATE: 1999-11-02

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 18

; LENGTH: 4681

; TYPE: DNA

; ORGANISM: AAV-2

US-09-807-802A-18

| | Query Match | 100.0%; | Score 145; | DB 4; | Length 4681; |
|----|-----------------------|---|--------------------|-----------|--------------|
| | Best Local Similarity | 100.0%; | Pred. No. 5.7e-31; | | |
| | Matches 145; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| Qy | 1 | TTGGCCACATCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCCGGCGACCAAAAGGTGCC | 60 | | |
| Db | 1 | TTGGCCACATCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCCGGCGACCAAAAGGTGCC | 60 | | |
| Qy | 61 | CGACGCCGCCGGGCTTTTGCCTGGCGGGCGGCTCAGTCAGCGGAGCGCGCCAGAGAGGGAGTG | 120 | | |
| Db | 61 | CGACGCCGCCGGGCTTTTGCCTGGCGGGCGGCTCAGTCAGCGGAGCGCGCCAGAGAGGGAGTG | 120 | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 | | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 | | |

RESULT 13
US-09-807-802A-19
; Sequence 19, Application US/09807802A
; Patent No. 6759237
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.

; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype 1 Nucleic Acid Sequences,
; FILE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVN.031USA
; CURRENT APPLICATION NUMBER: US/09/807,802A
; CURRENT FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-09-807-802A-19

Query Match 100.0%; Score 145; DB 4; Length 4683;
Best Local Similarity 100.0%; Pred. No. 5.7e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 60

QY 61 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 121 GCCAACTCCATCACTAGGGGTTTCCT 145

RESULT 14
US-09-299-141-4
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match 100.0%; Score 145; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 60
DB 18 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 77

QY 61 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 78 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 137

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145

Db 138 GCCAACTCCATCACTAGGGGTTTCCT 162

RESULT 15
US-09-299-141-4/c
; Sequence 4, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 5932
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT
US-09-299-141-4

Query Match 100.0%; Score 145; DB 3; Length 5932;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 60
DB 3078 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGACCAAAGTCCGC 3019

QY 61 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 3018 CGACGCCCGGGCTTTGCCGGCGCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 2959

QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
DB 2958 GCCAACTCCATCACTAGGGGTTTCCT 2934

RESULT 16
US-09-299-141-8
; Sequence 8, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PLASMID
; OTHER INFORMATION: p43MBENC-AT
US-09-299-141-8

Query Match 100.0%; Score 145; DB 3; Length 6142;

Best Local Similarity 100.0%; Pred. No. 5.9e-31; Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 77

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 120
Db 78 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 137

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 138 GCCAACTCCATCACTAGGGTTCT 162

RESULT 17

US-09-299-141-8/c
; Sequence 8, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 6142
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43msENC-AT
US-09-299-141-8

Query Match 100.0%; Score 145; DB 3; Length 6142;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 3288 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 3229

QY 61 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 120
Db 3228 CGACGCCCGGGCTTTGCGCGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 3169

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 3168 GCCAACTCCATCACTAGGGTTCT 3144

RESULT 18

US-08-893-327-15
; Sequence 15, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; TITLE OF INVENTION: Genes and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433

CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893,327
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/588,201
FILING DATE: 18-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: UFLA:062\KIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 6253 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 988..1701
US-08-893-327-15

Query Match 100.0%; Score 145; DB 3; Length 6253;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 19 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 78

QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 120
Db 79 CGACGCCCGGGCTTTGCCCGGGCGCTCACTGAGCGAGCGCGCAGAGGGAGTG 138

QY 121 GCCAACTCCATCACTAGGGTTCT 145
Db 139 GCCAACTCCATCACTAGGGTTCT 163

RESULT 19

US-08-893-327-15/c
; Sequence 15, Application US/08893327
; Patent No. 6020192
; GENERAL INFORMATION:
; APPLICANT: Zolotukhin, Sergei
; APPLICANT: Hauswirth, William W.
; APPLICANT: Muzyczka, Nicholas
; TITLE OF INVENTION: Humanized Green Fluorescent Protein
; TITLE OF INVENTION: Genes and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

| | |
|---|---|
| <p> ; SOFTWARE: PatentIn Release #1.0, Version #1.30 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/893,327 ; FILING DATE: ; CLASSIFICATION: 514 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: US 08/588,201 ; FILING DATE: 18-JAN-1996 ; ATTORNEY/AGENT INFORMATION: ; NAME: Kitchell, Barbara S. ; REGISTRATION NUMBER: 33,928 ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: (512) 418-3000 ; TELEFAX: (713) 789-2679 ; INFORMATION FOR SEQ ID NO: 15: ; NAME/KEY: CDS ; LOCATION: 988..1701 ; US-08-893-327-15 </p> | <p> Query Match 100.0%; Score 145; DB 3; Length 6253; Best Local Similarity 100.0%; Pred. No. 5.9e-31; Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0; ; </p> |
| <p> ; QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGACCAAGGTCGCC 60 ; DB 3400 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGCGCGGCGACCAAGGTCGCC 3341 ; QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGGCGCGGCGAGCGCGAGAGGGAGTG 120 ; DB 3340 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGGCGCGGCGAGCGCGAGAGGGAGTG 3281 ; QY 121 GCCAACTCCATCACTAGGGTTCTT 145 ; DB 3280 GCCAACTCCATCACTAGGGTTCTT 3256 </p> | <p> ; RESULT 20 ; US-08-893-327-17 ; Sequence 17, Application US/08893327 ; Patent No. 6020192 ; GENERAL INFORMATION: ; APPLICANT: Zolotukhin, Sergei ; APPLICANT: Hauswirth, William W. ; APPLICANT: Muzyczka, Nicholas ; TITLE OF INVENTION: Humanized Green Fluorescent Protein ; TITLE OF INVENTION: Genes and Methods ; NUMBER OF SEQUENCES: 20 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Arnold, White & Durkee ; STREET: P. O. Box 4433 ; CITY: Houston ; STATE: TX ; COUNTRY: USA ; ZIP: 77210-4433 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk ; COMPUTER: IBM PC compatible ; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARE: PatentIn Release #1.0, Version #1.30 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/893,327 ; FILING DATE: ; CLASSIFICATION: 514 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: US 08/588,201 ; FILING DATE: 18-JAN-1996 ; ATTORNEY/AGENT INFORMATION: ; NAME: Kitchell, Barbara S. ; REGISTRATION NUMBER: 33,928 ; REFERENCE/DOCKET NUMBER: UFLA:062\KIT ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: (512) 418-3000 ; TELEFAX: (713) 789-2679 ; INFORMATION FOR SEQ ID NO: 17: ; NAME/KEY: CDS ; LOCATION: 988..1728 ; US-08-893-327-17 </p> |


```
Db 3427 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 3368
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 3367 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 3308
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 3307 GCCAACTCCATCACTAGGGGTTCT 3283

RESULT 24
US-09-299-141-1
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1

Query Match 100.0%; Score 145; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 60
Db 19 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 78
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 79 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 138
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 139 GCCAACTCCATCACTAGGGGTTCT 163

RESULT 25
US-09-299-141-1/c
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1/c

Db 3427 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 3368
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 3367 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 3308
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 3307 GCCAACTCCATCACTAGGGGTTCT 3283

RESULT 24
US-09-299-141-1
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1

Query Match 100.0%; Score 145; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 60
Db 19 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 78
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 79 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 138
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 139 GCCAACTCCATCACTAGGGGTTCT 163

RESULT 25
US-09-299-141-1/c
; Sequence 1, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; EARLIER FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6565
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1/c
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT
US-09-299-141-1

Query Match 100.0%; Score 145; DB 3; Length 6565;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 60
Db 3712 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 3653
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 3652 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 3593
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 3592 GCCAACTCCATCACTAGGGGTTCT 3568

RESULT 26
US-09-299-141-6
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
US-09-299-141-6

Query Match 100.0%; Score 145; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 60
Db 18 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGACCAAAAGTTCGCC 77
Qy 61 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
Db 78 CGAGCCCGGGCTTTGCCCGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 137
Qy 121 GCCAACTCCATCACTAGGGGTTCT 145
Db 138 GCCAACTCCATCACTAGGGGTTCT 162

RESULT 27
US-09-299-141-6/c
; Sequence 6, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
```

```
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 6714
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43CB-AT
US-09-299-141-6

Query Match      100.0%; Score 145; DB 3; Length 6714;
Best Local Similarity 100.0%; Pred. No. 5.9e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      3860 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 3801

QY      61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB      3800 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 3741

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3740 GCCAACTCCATCACTAGGGTTCCT 3716

RESULT 28
US-09-299-141-9
; Sequence 9, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 9
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-9

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4011

QY      61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB      4010 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 3951

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3950 GCCAACTCCATCACTAGGGTTCCT 3926

RESULT 30
US-09-299-141-10
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-10

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      18 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 77

QY      61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB      78 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 137
```

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QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      138 GCCAACTCCATCACTAGGGTTCCT 162

RESULT 29
US-09-299-141-9/c
; Sequence 9, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 9
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-9

Query Match      100.0%; Score 145; DB 3; Length 6924;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60
DB      4070 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 4011

QY      61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 120
DB      4010 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 3951

QY      121 GCCAACTCCATCACTAGGGTTCCT 145
DB      3950 GCCAACTCCATCACTAGGGTTCCT 3926

RESULT 30
US-09-299-141-10
; Sequence 10, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 6924
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID
; OTHER INFORMATION: p43rmbENC-AT
US-09-299-141-10
```



```

RESULT 34
US-09-299-141-7
; Sequence 7, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 6981
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT2
US-09-299-141-7

Query Match          100.0%; Score 145; DB 3; Length 6981;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db      6022 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 6081

Qy      61  CGACGCCCGGGCTTTGCCCCGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG 120
Db      6082 CGACGCCCGGGCTTTGCCCCGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG 6141

Qy      121 GCCAACTCCCATCTAGGGTTTCCT 145
Db      6142 GCCAACTCCCATCTAGGGTTTCCT 6166

RESULT 35
US-09-299-141-7/c
; Sequence 7, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 6981
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PLASMID C-AT2
US-09-299-141-7

Query Match          100.0%; Score 145; DB 3; Length 6981;
Best Local Similarity 100.0%; Pred. No. 6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 60
Db      6022 TTGGCCACTCCCTCTCTGCGGGCTCGCTCGCTCACTGAGCGCGGGCGACCAAGGTCGCC 6081

Qy      61  CGACGCCCGGGCTTTGCCCCGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG 120
Db      6082 CGACGCCCGGGCTTTGCCCCGGCGGCTCACTGAGCGAGCGCGCAGAGGGAGTG 6141

Qy      121 GCCAACTCCCATCTAGGGTTTCCT 145
Db      6142 GCCAACTCCCATCTAGGGTTTCCT 6166

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| Db | 3150 | TTGGCCACTCCCTCTCTGCGCGTCTGCTCAGTGAGCCGGGCGACCAAAAGGTCGCC | 3091 |
|--|------|--|------|
| Qy | 61 | CGAGCCCGCGGCTTTGCCCGGGGGCCCTCAGTGAGCGAGCGCGCAGAGGGAGTG | 120 |
| Db | 3090 | CGAGCCCGGGCTTTGCCCGGGGGCTCAGTGAGCGAGCGCGCAGAGGGAGTG | 3031 |
| Qy | 121 | GCCAACTCCATCACTAGGGTTCT 145 | |
| Db | 3030 | GCCAACTCCATCACTAGGGTTCT 3006 | |
| RESULT 36 | | | |
| US-09-299-141-3 | | | |
| ; Sequence 3, Application US/09299141 | | | |
| ; Patent No. 6461606 | | | |
| ; GENERAL INFORMATION: | | | |
| ; APPLICANT: FLOTTE, TERENCE R. | | | |
| ; APPLICANT: SONG, SIHONG | | | |
| ; APPLICANT: BYRNE, BARRY J. | | | |
| ; APPLICANT: MORGAN, MICHAEL | | | |
| ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY | | | |
| ; FILE REFERENCE: 4300.011800 | | | |
| ; CURRENT APPLICATION NUMBER: US/09/299,141 | | | |
| ; CURRENT FILING DATE: 1999-04-23 | | | |
| ; EARLIER APPLICATION NUMBER: 60/083,025 | | | |
| ; EARLIER FILING DATE: 1998-04-24 | | | |
| ; NUMBER OF SEQ ID NOS: 13 | | | |
| ; SOFTWARE: PatentIn Ver. 2.0 | | | |
| ; SEQ ID NO 3 | | | |
| ; LENGTH: 7054 | | | |
| ; TYPE: DNA | | | |
| ; ORGANISM: Artificial Sequence | | | |
| ; FEATURE: | | | |
| ; OTHER INFORMATION: Description of Artificial Sequence: PLASMID de-AT | | | |
| US-09-299-141-3 | | | |
| Query Match 100.0%; Score 145; DB 3; Length 7054; | | | |
| Best Local Similarity 100.0%; Pred. No. 6e-31; | | | |
| Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0; | | | |
| Qy | 1 | TTGGCCACTCCCTCTCTGCGCGTCTGCTCAGTGAGCGGGGCGACCAAAAGGTCGCC | 60 |
| Db | 19 | TTGGCCACTCCCTCTCTGCGCGTCTGCTCAGTGAGCGGGGCGACCAAAAGGTCGCC | 78 |
| Qy | 61 | CGAGCCCGGGCTTTGCCCGGGGGCCCTCAGTGAGCGAGCGCGCAGAGGGAGTG | 120 |
| Db | 79 | CGAGCCCGGGCTTTGCCCGGGGGCCCTCAGTGAGCGAGCGCGCAGAGGGAGTG | 138 |
| Qy | 121 | GCCAACTCCATCACTAGGGTTCT 145 | |
| Db | 139 | GCCAACTCCATCACTAGGGTTCT 163 | |
| RESULT 37 | | | |
| US-09-299-141-3/c | | | |
| ; Sequence 3, Application US/09299141 | | | |
| ; Patent No. 6461606 | | | |
| ; GENERAL INFORMATION: | | | |
| ; APPLICANT: FLOTTE, TERENCE R. | | | |
| ; APPLICANT: SONG, SIHONG | | | |
| ; APPLICANT: BYRNE, BARRY J. | | | |
| ; APPLICANT: MORGAN, MICHAEL | | | |
| ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY | | | |
| ; FILE REFERENCE: 4300.011800 | | | |
| ; CURRENT APPLICATION NUMBER: US/09/299,141 | | | |
| ; CURRENT FILING DATE: 1999-04-23 | | | |
| ; EARLIER APPLICATION NUMBER: 60/083,025 | | | |
| ; EARLIER FILING DATE: 1998-04-24 | | | |
| ; NUMBER OF SEQ ID NOS: 13 | | | |
| ; SOFTWARE: PatentIn Ver. 2.0 | | | |
| ; SEQ ID NO 3 | | | |
| ; LENGTH: 7054 | | | |


```
Db      6399  GCCAACTCCATCACTAGGGTTTCCT 6423

RESULT 41
US-09-299-141-5/c
; Sequence 5, Application US/09299141
; Patent No. 6461606
; GENERAL INFORMATION:
; APPLICANT: FLOTTE, TERENCE R.
; APPLICANT: SONG, SIHONG
; APPLICANT: BYRNE, BARRY J.
; APPLICANT: MORGAN, MICHAEL
; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
; FILE REFERENCE: 4300.011800
; CURRENT APPLICATION NUMBER: US/09/299,141
; CURRENT FILING DATE: 1999-04-23
; EARLIER APPLICATION NUMBER: 60/083,025
; EARLIER FILING DATE: 1998-04-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7492
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
US-09-299-141-5

Query Match      100.0%; Score 145; DB 3; Length 7492;
Best Local Similarity 100.0%; Pred. No. 6e-31; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 60
Db      3444  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 3385

QY      61  CGACGCGCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGGCGAGAGGAGTG 120
Db      3384  CGACGCGCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGGCGGCGAGAGGAGTG 3325

QY      121  GCCAACTCCATCACTAGGGTTTCCT 145
Db      3324  GCCAACTCCATCACTAGGGTTTCCT 3300

RESULT 42
US-09-770-315-2
; Sequence 2, Application US/09770315
; Patent No. 6429001
; GENERAL INFORMATION:
; APPLICANT: Chiron Corporation
; TITLE OF INVENTION: Recombinant AAV Packaging Systems
; FILE REFERENCE: 20263-501
; CURRENT APPLICATION NUMBER: US/09/770,315
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,536
; PRIOR FILING DATE: 2000-01-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 8698
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: recombinant DNA
US-09-770-315-2

Query Match      100.0%; Score 145; DB 3; Length 8698;
Best Local Similarity 100.0%; Pred. No. 6.1e-31; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 60
Db      3324  GCCAACTCCATCACTAGGGTTTCCT 3300

Db      6399  GCCAACTCCATCACTAGGGTTTCCT 6423

RESULT 43
US-09-276-625-4
; Sequence 4, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-09-276-625-4

Query Match      98.9%; Score 143.4; DB 3; Length 272;
Best Local Similarity 99.3%; Pred. No. 1.2e-30; Indels 0; Gaps 0;
Matches 144; Conservative 0; Mismatches 1;

QY      1  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 60
Db      69  TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGGCGCGGCGACCAAGGTCGCC 128

QY      61  CGACGCGCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGGCGGCGAGAGGAGTG 120
Db      129  CGACGCGCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGGCGGCGAGAGGAGTG 188

QY      121  GCCAACTCCATCACTAGGGTTTCCT 145
Db      189  GCCAACTCCATCACTAGGGTTTCCT 213

RESULT 44
US-08-305-221-1
; Sequence 1, Application US/08305221
; Patent No. 5834441
; GENERAL INFORMATION:
; APPLICANT: APPLIED IMMUNE, SCIENCES, INC.
; APPLICANT: PHILIP, RAMILA
; APPLICANT: LEBKOWSKI, JANE
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL (AAV)
; TITLE OF INVENTION: LIPOSOMES
; TITLE OF INVENTION: AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESS: HELLER, EHRMAN, WHITE & MCAULIFFE
; STREET: 333 BUSH STREET
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104-2878
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
```

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/305,221
; FILING DATE: 12-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/120,605
; FILING DATE: 13-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: LITHGOW, TIMOTHY J.
; REGISTRATION NUMBER: US 36,856
; REFERENCE/DOCKET NUMBER: 12414-0163
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-772-6000
; TELEFAX: 415-772-6268
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: PCT/US94/09774
; FILING DATE: 13-SEP-1994
;
; US-08-305-221-1
;
; Query Match 97.8%; Score 141.8; DB 2; Length 5585;
; Best Local Similarity 98.6%; Pred. No. 4.4e-30;
; Matches 143; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTCGGCGCTCGCTCACTGAGCGCGGCGGACCAAGTCCGC 60
;
; Db 46 TGGGCACTCCCTCTCTCGGCGCTCGCTCACTGAGCGCGGCGGACCAAGTCCGC 105
;
; QY 61 CGAGCGCGGGTTTGGCGGCGGCGCTCAGTGAGCGGAGCGGCGGAGAGAGGAGTG 120
;
; Db 106 CGAGCGCGGGTTTGGCGGCGGCGCTCAGTGAGCGGAGCGGAGCGGAGAGGAGTG 165
;
; QY 121 GCCAACTCCATCACTAGGGGTTTCCT 145
;
; Db 166 GCCAACTCCATCACTAGGGGTTTCCT 190
;
; RESULT 45
; US-09-000-003A-1
; Sequence 1, Application US/09000003A
; Patent No. 6652850
; GENERAL INFORMATION:
; APPLICANT: Philip, Ramila
; Lebkowski, Jane S.
; TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL LIPOSOMES AND
; THEIR USE IN TRANSFECTING DENDRITIC CELLS TO STIMULATE
; SPECIFIC IMMUNITY
;
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Alexis Barron, Esq.
; STREET: Suite 2600 Aramark Tower, 1101 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19107
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,003A
; FILING DATE: 15-Jun-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: PCT/US96/12012
; FILING DATE: 19-JUL-1996
; APPLICATION NUMBER: US 60/001,312
; FILING DATE: 21-JUL-1995
; APPLICATION NUMBER: US 60/007,184
; FILING DATE: 01-NOV-1995
; APPLICATION NUMBER: US 08/566,286
; FILING DATE: 01-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Barron, Alexis
; REGISTRATION NUMBER: 22,702
; REFERENCE/DOCKET NUMBER: 20,846-K USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 923-4466
; TELEFAX: (215) 923-2189
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5585 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1565..2035
; OTHER INFORMATION: /product= "Residues 1565 to 1579 rat insulin
; signal peptide; residues 1580 to 1582 linker;
; residues 1583
; to 2035 human IL-2"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..44
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 45..239
; OTHER INFORMATION: /function= "Left terminal region of
; adeno-associated virus"
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 293..1075
; OTHER INFORMATION: /function= "CMV promoter"
; FEATURE:
; NAME/KEY: idNA
; LOCATION: 1079..1264
; OTHER INFORMATION: /function= "Adeno virus major late
; intervening sequence"
; FEATURE:
; NAME/KEY: idNA
; LOCATION: 1269..1357
; OTHER INFORMATION: /function= "Mouse immunoglobulin
; intervening sequence"
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1394..1564
; OTHER INFORMATION: /function= "Rat preproinsulin 5'
; untranslated region"
; FEATURE:
; NAME/KEY: polyA site
; LOCATION: 2085..2471
; OTHER INFORMATION: /standard_name= "SV40
; polyadenylation signal"
; FEATURE:
; NAME/KEY: LTR
; LOCATION: 2579..2762
; OTHER INFORMATION: /function= "right terminal region
; of adeno-associated virus"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2763..5585
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;
; OTHER INFORMATION: /product= "Bluescript KS II +
; cloning vector"
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 2039..2071
; OTHER INFORMATION: /function= "3' untranslated region
; of human IL-2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-000-003A-1

Query Match          97.8%; Score 141.8; DB 4; Length 5585;
Best Local Similarity 98.6%; Pred. No. 4.4e-30;
Matches 143; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
DB 46 TGGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGACGGCGACCAAAAGGTCGCC 105

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 120
DB 106 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 165

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 166 GCCAACTCCATCACTAGGGGTTCT 190

RESULT 46
US-09-276-625-6
; Sequence 6, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match          95.6%; Score 138.6; DB 3; Length 272;
Best Local Similarity 97.2%; Pred. No. 2.5e-29;
Matches 141; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
DB 69 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 128

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 120
DB 129 CGACGCCCGGGCTTTGGTCGCGCGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 188

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 189 GCCAACTCCATCACTAGGGGTTCT 213

RESULT 47
US-07-989-841A-6/c
; Sequence 6, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; TITLE OF INVENTION: Recombinant Viral Vector System
```

```
;
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-07-989-841A-6

Query Match          93.4%; Score 135.4; DB 1; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGGGACCAAAAGGTCGCC 60
DB 145 TTGGCCACGCCCGCGCTGCGCGCTCGCTCGCTCACTGAGCGCGGGCGACCAAAAGGTCGCC 86

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 120
DB 85 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGAGCGCGCAGAGGAGTG 26

QY 121 GCCAACTCCATCACTAGGGGTTCT 145
DB 25 GCCAAACGCCACGAGGGGTTCT 1

RESULT 48
US-08-440-738A-6/c
; Sequence 6, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samuleki, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/440,738A
FILING DATE: May 15, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-440-738A-6

Query Match 93.4%; Score 135.4; DB 2; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 60
DB 145 TTGGCCACGCCCGCGCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 86
QY 61 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 85 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 26
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 25 GCCAACGCCAGCACGAGGGGTTCTT 1

RESULT 49
US-08-471-914-6/c
Sequence 6, Application US/08471914A
Patent No. 6057152
GENERAL INFORMATION:
APPLICANT: Samulski, R.
APPLICANT: Xiao, X.
TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
FILE REFERENCE: 6636-027
CURRENT APPLICATION NUMBER: US/08/471,914A
EARLIER FILING DATE: 1995-06-06
EARLIER FILING DATE: 1995-05-15
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 6
LENGTH: 145
TYPE: DNA
ORGANISM: adeno-associated virus
US-08-471-914-6

Query Match 93.4%; Score 135.4; DB 3; Length 145;
Best Local Similarity 95.9%; Pred. No. 1.8e-28;
Matches 139; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 60
DB 145 TTGGCCACGCCCGCGCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 86
QY 61 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 85 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 26
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 25 GCCAACGCCAGCACGAGGGGTTCTT 1

RESULT 50

US-08-702-573-5
Sequence 5, Application US/08702573
Patent No. 6033885
GENERAL INFORMATION:
APPLICANT: LATTI, Martine
APPLICANT: DENEFE, Patrice
APPLICANT: VIGNE, Emmanuelle
APPLICANT: PERRICAUDET, Michel
TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Rd. 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,573
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 94/02445
FILING DATE: 03-MAR-1994
APPLICATION NUMBER: WO PCT/FR95/00233
FILING DATE: 28-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: 38,619
REFERENCE/DOCKET NUMBER: ST94011-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610)454-3839
TELEFAX: (610)454-3808
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 194 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..194
OTHER INFORMATION: /note= "Left AAV ITR From pXL2629"
US-08-702-573-5

Query Match 90.6%; Score 131.4; DB 3; Length 194;
Best Local Similarity 98.6%; Pred. No. 2.3e-27;
Matches 143; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 1 TTGGCCACTCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 60
DB 6 TTGGCCACTCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGGCGGACCAAGGTCGCC 65
QY 61 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 66 CGAGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGAGAGGGAGTG 125
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 126 G-CAACTCCATCACTAGGGGTTCTT 149

RESULT 51

US-08-525-866-1/c
; Sequence 1, Application US/08525866
; Patent No. 6207457
; GENERAL INFORMATION:
; APPLICANT: NATSOULIS, GEORGES
; APPLICANT: FUROSKY, RICHARD T.
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
; TITLE OF INVENTION: AND INTEGRATION SYSTEM
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,866
; FILING DATE: 08-SEP-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 0800-0006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-525-866-1

Query Match 86.2%; Score 125; DB 3; Length 145;

Best Local Similarity 100.0%; Pred. No. 1.3e-25;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
|||||
DB 125 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 66
|||||

QY 61 CGACGCCCGGGGCTTTGCCCGGCGGCTTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 120

DB 65 CGACGCCCGGGGCTTTGCCCGGCGGCTTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 6

QY 121 GCCAA 125

|||||

DB 5 GCCAA 1

RESULT 52

US-08-702-573-3
; Sequence 3, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: LATTI, Martine
; APPLICANT: DENEPE, Patrice
; APPLICANT: VIGNE, Emmanuelle
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3C43

; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 192 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..192
; OTHER INFORMATION: /note= "Right ITR Sequence in
; Patent No. 6033885
; OTHER INFORMATION: pXL2384"
; US-08-702-573-3

Query Match 86.2%; Score 125; DB 3; Length 192;

Best Local Similarity 100.0%; Pred. No. 1.3e-25;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
|||||
DB 68 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 127
|||||

QY 61 CGACGCCCGGGGCTTTGCCCGGCGGCTTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 120

DB 128 CGACGCCCGGGGCTTTGCCCGGCGGCTTCAGTGAGCGAGCGCGCGCAGAGAGGGAGTG 187

QY 121 GCCAA 125

|||||

DB 188 GCCAA 192

RESULT 53

US-09-276-625-6/c
; Sequence 6, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0

```
; SEQ ID NO 6
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p1202
US-09-276-625-6

Query Match      85.7%; Score 124.2; DB 3; Length 272;
Best Local Similarity 91.0%; Pred. No. 2.3e-25;
Matches 132; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 60
Db 193 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 134

Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 133 CGTGGCGGACCTTTGGTGGCGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 74

Qy 121 GCCAACTCCATCACTAGGGGTTCCCT 145
Db 73 GCCAACTCCATCACTAGGGGTTCCCT 49

RESULT 54
US-09-394-110A-1/c
; Sequence 1, Application US/09394110A
; Patent No. 6451594
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Wang, Yibin
; APPLICANT: Evans, Sylvia
; TITLE OF INVENTION: No. 6451594el Recombinant Adenovirus for Tissue Specific Expression
; FILE REFERENCE: 6627-PA8045
; CURRENT APPLICATION NUMBER: US/09/394,110A
; CURRENT FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 174
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-394-110A-1

Query Match      84.8%; Score 123; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 4.7e-25;
Matches 123; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 60
Db 123 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 64

Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 63 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 4

Qy 121 GCC 123
Db 3 GCC 1

RESULT 55
US-09-276-625-4/c
; Sequence 4, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20

; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-09-276-625-4

Query Match      82.3%; Score 119.4; DB 3; Length 272;
Best Local Similarity 89.0%; Pred. No. 4.8e-24;
Matches 129; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 60
Db 193 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 134

Qy 61 CGAGCCCGGGCTTTGCGCGGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 120
Db 133 CGTGGCGGACCTTTGGCGCGGCTCGCTCACTGAGCGAGCGAGCGCGGAGAGGGAGTG 74

Qy 121 GCCAACTCCATCACTAGGGGTTCCCT 145
Db 73 GCCAACTCCATCACTAGGGGTTCCCT 49

RESULT 56
US-08-525-866-1
; Sequence 1, Application US/08525866
; Patent No. 6207457
; GENERAL INFORMATION:
; APPLICANT: NATSOUKIS, GEORGES
; APPLICANT: FUROSKY, RICHARD T.
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
; TITLE OF INVENTION: AND INTEGRATION SYSTEM
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,866
; FILING DATE: 08-SEP-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 0800-0006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-525-866-1

Query Match      81.2%; Score 117.8; DB 3; Length 145;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 60
Db 1 TTGGCCACTCCCTCTCTCGCGGCTCGCTCGCTCACTGAGCGCGCGCGACCAAGGTGCGCC 60
```

| | | | |
|----|-----|--|-----|
| Qy | 61 | CGAGCCCGGGCTTTGCCGGGGCGGCTCAGTACGCGAGCGAGCCGCGCAGAGGGAGTG | 120 |
| | | | |
| Db | 61 | CGTGGGGCGACCTTTGTGTCGGCCCGGCTCAGTACGCGAGCGAGCCGCGCAGAGGGAGTG | 120 |
| | | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 |
| | | | |
| Db | 121 | GCCAACTCCATCACTAGGGGTTTCCT | 145 |
| | | | |

RESULT 57
US-07-989-841A-1/c
; Sequence 1, Application US/07989841A
; Patent No. 5478745
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

| | | | | |
|-----------------------|-----------------|-------------------|-----------|-------------|
| Query Match | 81.2% | Score 117.8; | DB 1; | Length 165; |
| Best Local Similarity | 88.3%; | Pre. No. 1.3e-23; | | |
| Matches 128; | Conservative 0; | Mismatches 17; | Indels 0; | Gaps 0; |

| | | | |
|----|-----|--|-----|
| Qy | 1 | TTGGCGACTCCCTCTCTGCGGGCTCGTCTCGTCACTGAGCGCGGGCGACCAAGGTGCC | 60 |
| | | | |
| Db | 145 | TTGGCCACTCCCTCTCTGCGGCTCGTCTCGTCACTGAGCGCGCGGCGCAAGCCCGGG | 86 |
| | | | |
| Qy | 61 | CGAGCGCCCGGGCTTTTGCCCGGGCGGCTCTAGTGAGCGAGCGCGCAGAGCGGAGTG | 120 |
| | | | |
| Db | 85 | CGTGGCGGACCTTTGGTCGCCCGGCTCTAGTGAGCGAGCGCGCAGAGCGGAGTG | 26 |
| | | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCT | 145 |
| | | | |
| Db | 25 | GCCAACTCCATCACTAGGGGTTCT | 1 |
| | | | |

RESULT 58
US-08-440-738A-1/c
; Sequence 1, Application US/08440738A
; Patent No. 5869305

GENERAL INFORMATION:
APPLICANT: Samulski, R. J.
APPLICANT: Xiao, X.
TITLE OF INVENTION: Recombinant Viral Vector System
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440.738A
FILING DATE: May 15, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 165 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

| | Query Match | 81.2%; | Score 117.8; | DB 2; | Length 165; |
|----|-----------------------|---|--------------------|-----------|-------------|
| | Best Local Similarity | 88.3%; | Prod. No. 1.3e-23; | | |
| | Matches 128; | Conservative 0; | Mismatches 17; | Indels 0; | Gaps 0 |
| Qy | 1 | TTGGCCACTCCCTCTCTGGCGCTCGCTCACTGAGGCGGGCGACCAAGGTCGCC | 60 | | |
| | | | | | |
| Db | 145 | TTGGCCACTCCCTCTCTGGCGCTCGCTCACTGAGGCGCGCCGGGCAAGCCCGGG | 86 | | |
| | | | | | |
| Qy | 61 | CGAGCGCCGGGCTTTGGCCGGGGCGGCTTCAGTGAGCGAGCGGACAGAGGGAGTG | 120 | | |
| | | | | | |
| Db | 85 | CGTGGGGGACCTTTGGTTCGCCCGGCTTCAGTGAGCGAGCGGCGGACAGAGGGAGTG | 25 | | |
| | | | | | |
| Qy | 121 | GCCAACTCCATCACTAGGGGTTCTCT | 145 | | |
| | | | | | |
| Db | 25 | GCCAACTCCATCACTAGGGGTTCTCT | 1 | | |
| | | | | | |

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RESULT 59
US-08-471-914-1/c
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; .GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA

```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
; OTHER INFORMATION: sequence
US-08-471-914-1

Query Match      81.2%; Score 117.8; DB 3; Length 165;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTGCGCC 60
Db |||||
Qy 145 TTGGCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTGCGCC 86
Db |||||

Qy 61 CGAGCGCGCGGCTTTGCCCGCGGCGCTCACTGAGCGCGCGGCGAGCGCGGAGAGGAGTG 120
Db |||||

Qy 85 CGTCGGGCGACCTTTGGTGGCGCGCGCTCACTGAGCGCGGCGAGCGCGGAGAGGAGTG 26
Db |||||

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db |||||

Qy 25 GCCAACTCCATCACTAGGGGTTTCCT 1
Db |||||

RESULT 60
US-09-276-625-7/c
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US1
; CURRENT APPLICATION NUMBER: US/09/276,625
; CURRENT FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match      81.2%; Score 117.8; DB 3; Length 165;
Best Local Similarity 88.3%; Pred. No. 1.3e-23;
Matches 128; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 TTGGCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGGTGCGCC 60
Db |||||
Qy 145 TTGGCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTGCGCC 86
Db |||||

Qy 61 CGAGCGCGCGGCTTTGCCCGCGGCGCTCACTGAGCGCGGCGAGCGCGGAGAGGAGTG 120
Db |||||

Qy 85 CGTCGGGCGACCTTTGGTGGCGCGCGCTCACTGAGCGCGGCGAGCGCGGAGAGGAGTG 26
Db |||||

Qy 121 GCCAACTCCATCACTAGGGGTTTCCT 145
Db |||||

Qy 25 GCCAACTCCATCACTAGGGGTTTCCT 1
Db |||||
```

Search completed: July 5, 2005, 13:29:02
Job time : 118.722 secs